

ANNUAL REPORT 2006



AIT

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2006 Annual Report

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I feel that there is now a strong sense of solidarity and purpose among members of the community and realization of the challenges that lie ahead and commitment to continue AIT's fine tradition of service to the region.

MESSAGE

from the Chairman of the Board of Trustees

The year 2006 has been a challenging one for AIT in many respects. Under the rapidly changing landscape of higher learning in the region and worldwide as well as decline in the direct funding available from donors and partners, it will become even more important for the Institute to critically examine and adapt itself to the changing environment. On behalf of the Board of Trustees, I wish to credit President Irandoust for his able leadership and for having already made a significant impact in a relatively short period of time. I feel that there is now a strong sense of solidarity and purpose among members of the community and realization of the challenges that lie ahead and commitment to continue AIT's fine tradition of service to the region.

I wish to commend the President as well as all members of the faculty, staff, students and alumni for their solidarity, efforts and commitment in putting AIT on a firm foundation. The Executive Committee and Board of Trustees have been working closely with the President on the Institute Strategic Development Plan, as well as on its ownership and governance aspects in order to attain full international status for AIT, which I am confident we will be able to accomplish in the near future. The Institute is also embarking on a very important fund-raising campaign leading up to AIT's Golden Jubilee Celebrations in 2009.

AIT is a pioneering institution in the region conceived with the highest principles of education in mind to pursue excellence in teaching, research and training. AIT's mission is to develop highly qualified and committed professionals who will play a leading role in the sustainable development of the region and its integration into the global economy is one that is as relevant today as at any time in the Institute's half-century history. Under the Institute's new directions and strategies, new opportunities are being pursued, proving the vitality of AIT and the importance of its role in the region.

I feel highly honoured to have been appointed as Chairman of the Board of this great institution, which has a distinguished record of much success and achievement. As reported to the Board following my appointment as Chairman, I pledge to continue in the line and footsteps of what former Chairman Mr. Anand Panyarachun continuously pursued for AIT over the past six years in promoting the integrity, reputation and academic excellence of the Institute.

I wish AIT the very best in the years to come.

Dr. Tej Bunnag



AIT now has a five-year strategic development plan that positions the Institute to meet and exceed the demands of its stakeholders. Additionally, through a new governance and ownership model, the Institute is looking to expand the number and vested interest of those stakeholders and reaffirm its international status.

MESSAGE

from the President of the Asian Institute of Technology

A look back at the past year reveals much to be proud of. It is remarkable to consider what we have accomplished together, despite weathering one of the greatest budgetary challenges in our history. It is an exciting time at AIT, and I am excited by the prospect for a reinvigorated Institute of which its stakeholders can be justifiably proud. The Institute is poised itself to take on its second half century of existence with renewed vigour and a strength that will see its sustainability in the long term. AIT now has a five-year strategic development plan that positions the Institute to meet and exceed the demands of its stakeholders. Additionally, through a new governance and ownership model, the Institute is looking to expand the number and vested interest of those stakeholders and reaffirm its international status.

AIT has the capacity and agility to rapidly mobilize both regional and global networks and partners, collaborating together in research, teaching and development activities. In this regard, we have greatly enhanced our connections to the outside world and to critical constituencies. I cannot emphasize enough how important new means of revenue generation and the development of new educational products will be for the reinvigoration of AIT. We must concentrate our research efforts in a limited number of topics in which it is possible to demonstrate excellence and leadership in the region. So into the future, not only will we be scrutinizing our current offerings for their relevance to prospective students and their financial viability, we will also be exploring innovative offerings geared to the demands of the higher educational market based on the needs of both the public and private sectors. At the same time we must continue pursuing the research and outreach projects that continue to build AIT's international standing.

As we press on with these important initiatives we will continue to face some daunting obstacles. It is important that we maintain a positive attitude and aim to turn the challenges we face into opportunities as we prepare AIT for the coming years in retaining its position as the leading development graduate school in Asia.

I would also like to take this opportunity to express our gratitude and sincere appreciation to all our partners for their continued support and confidence in the mission of AIT.

Professor Said Irandoust

2006 in Review

In the year 2006, AIT faced the greatest budgetary challenge in its history. The operating losses of the Institute in the years 2004 and 2005 had wiped out the entire reserve of the Institute. In order to face the challenge, the Executive Committee of the Board of Trustees and the full Board approved in March/April 2006 the financial action plan proposed by the AIT Administration led by the President. The administration with the help of the entire AIT community quickly implemented the action plan. The actions included: voluntary salary reduction; right-sizing of staff; temporary reduction in the provident fund contribution; extension of work hours; temporary salary freeze; revised tuition fees; reduction in business travel; increased external relations efforts; monthly review of academic/operating activities and finances; temporary freeze in capital expenditures; etc. While these measures were implemented, the Institute also pursued revenue generation through innovative new academic programs and additional research and outreach activities. Due to these measures the AIT community had to endure some hardships, but eventually it has paid off. The Institute is now on the right track and on the path to a complete recovery.

Institute Strategic Development Plan

In 2006, the Institute developed its five-year (2006-2010) Strategic Development Plan. This plan lays the groundwork for how AIT intends to accomplish its aims: a new model of Governance, Ownership and Financial Security; Academic Agility and Academic Quality; Thematic Knowledge Areas; Internationality with an Asian Orientation; Sustainable Development; Entrepreneurship and Leadership; Profession Orientation; Grounded Learning and Research; and a streamlined, transparent, and service oriented Administration.

A legal status as an international institution under the new progressive governance and ownership model will provide long-term financial sustainability through core funding and endowment funds. While AIT will strengthen its Asian orientation, it will use this to attract an increasing number of students from non-Asian countries. AIT will forge forward-looking curricula that tear down the walls of traditional disciplines and will introduce an administrative academic structure that allows academic programs to adapt quickly to new arising demands. At the same time, AIT will introduce a rigorous system of continuous quality control of its academic programs, including formal international accreditation. In order to better address the needs of the private sector and students alike, a new orientation directed toward professions will encourage practical knowledge, experience, fieldwork, internships, and a focus on

entrepreneurship, leadership and employability. Research focal areas will be defined to develop greater depth of knowledge in select areas and to attract the most talented faculty and students. New partnerships and closer collaboration with the public and private sectors will strengthen the applied research profile of AIT.

Possible New Ownership Model ñ International Status of AIT

As outlined in the Institute Strategic Development Plan, AIT developed the new governance / ownership concept that would lead to a formal international status. The Ministry of Foreign Affairs of Thailand played an instrumental role on this by advising and assisting AIT in developing the draft charter based on the new governance / ownership model. The finalized charter will completely replace the current AIT charter. Various partner governments will be invited to ratify AIT's new charter and hence take part in the new ownership model.

Master Plan for Fund Raising

Under the leadership of Dr. Ir. Khin Ni Ni Thein, Vice President for Development and Resources, a master plan for fund raising was initiated. Mr. Folke Hjalmer, former Director of International Relations at Chalmers University and Senior Advisor to Chalmers Industriteknik, who has considerable experience in fund raising and promotional campaigns in the context of universities, was engaged by AIT to assist in the development of the master plan for fund raising.

New Academic Offerings and Initiatives

In 2006 it emerged that the Institute had not sufficiently responded to the increasing competition, changing funding sources and emerging markets in the region. Realizing this and to increase the number of students, a number of new initiatives were undertaken in 2006.

• Professional Master of Engineering in Offshore Technology and Management (OTM) Program

In May 2006, the first interdisciplinary Professional Master of Engineering in Offshore Technology and Management (OTM) program offered by the School of Engineering and Technology (SET) was launched. OTM, a one-year program, was set up specifically to serve staff from the oil and gas industries in Thailand and in the region. The program enables these staff with few years of work experience and who desire to broaden their knowledge in the



AIT President Said Irandoust and Mr. Krairit Nilkuha, Director-General of the Department of Mineral Fuels shake hands after the signing of an MoU heralding a new era in SE Asia oil and gas exploration expertise.

related area to obtain a master's degree in a shorter study leave from their job. The first intake was admitted in the August 2006 semester.

• **Nanotechnology Center of Excellence**

Also in the month of May, the Nanotechnology Center of Excellence was opened at AIT focusing on the application of nanoparticles. The center is jointly supported by Thailand's National Nanotechnology Center (NANOTEC) of the National Science and Technology Development Agency, Ministry of Science and Technology and AIT. The center addresses the creation of knowledge in areas relevant to Thailand, its industries and its people. Activities proposed include joint research with other local and international universities and institutes, education and training personnel in the field of nanotechnology, technology



NANOTEC Director Wiwut Tanthapanichakoon (left) and AIT President Said Irandoust cut the ribbon to mark AIT's nanotechnology laboratory opening.



H.E. Mr. Piyabutr Cholvijarn (middle), Deputy Industry Minister inaugurated the launching ceremony in October 2006 and congratulated AIT for offering the innovative Professional Doctoral (DBA) program, which will fill up the gap in practical research education in Thailand.

transfer and promotion of public and industrial awareness of nanotechnology.

• **Doctor of Business Administration Program**

The School of Management in October officially launched its Doctor of Business Administration (DBA) program, a professional doctoral program, designed for senior professionals, managers and administrators. The program focuses on the combination of coursework and research investigations, and it intends to create a body of knowledge embedded in practices.

• **Master of Computer Science in Software Engineering**

In order to help address the region's growing need for software development specialists, the School of Engineering and Technology's Computer Science and Information Management fields of study launched in October 2006 a new master's degree in Computer Science with a specialization in Software Engineering. The first intake of students will be in January 2007. The program is particularly aimed at students already having work experience in the software industry.

• **Unified International Bachelor-Master's Degree Programs**

AIT and two universities in India joined hands in offering a five-year unified international bachelor-master's degree program. To this effect the agreement with Singhania University was signed in November. In December, AIT and Shivaji University reached an agreement on offering a similar program at the International School of Engineering and Technology (ISET) under the university.

Increased Korean Support to AIT

On January 2006, the Government of the Republic of Korea, through the Korea International Cooperation Agency (KOICA) formalized a second generous contribution of US\$500,000 to the Korea Endowment Fund at a ceremony held at AIT.

In his opening remarks, AIT President noted that the partnership of Korea and AIT started way back in 1975 when the Korean Government had seconded Korean faculty to AIT through the Ministry of Science and Technology, Korea.

The Korea Endowment Fund, established by the Government of the Republic of Korea in 1981, started with the amount of US\$500,000. The Fund, now amounting to US\$1,000,000, will be used in financing scholarships for students from developing countries in Asia.



Seen at the signing ceremony (from left), Prof. Vilas Wuwongse, AIT Vice President - External Relations, Mr. Chung Man-Young, Counsellor, Embassy of the Republic of Korea; Prof. Said Irandoust, AIT President; Mr. Lee Sang-Ahn, Resident Representative, KOICA Thailand Office; Prof. Sudip Rakshit, AIT Vice President - Research; Mr. Kim Hyung Gon, President of Thai Korean Chamber of Commerce; HE Mr. Yoon Jee-Joon, Ambassador, Embassy of the Republic of Korea and Mr. Kim Eun Sub, Deputy Resident Representative, KOICA Thailand Office.



Dr. Siriwan Suebnukarn

Prof. Peter F. Haddawy

AIT Graduate Applies Cutting-edge Technology to Medical Education

A recent AIT graduate was featured in the 18 January issue of the *Bangkok Post* for work she began at AIT and continues at Thammasat University's School of Dentistry. Dr. Siriwan Suebnukarn, a new graduate of AIT's Computer Science and Information Management fields of study, School of Engineering and Technology, developed a computer system that helps bring problem-based learning to the masses.

Known as Comet ó short for Collaborative Medical Tutoring ó the system was developed by Dr. Siriwan during her three years of doctoral study at AIT, under the supervision of Prof. Peter Haddawy, now AIT's Vice President for Academic Affairs.

Comet is computer-assisted problem-based learning where computers take the place of human

tutors. The research may help bring problem-based learning to the public and extend the principles of problem-based learning through the use of modern technology.

According to Prof. Haddawy, Comet actually outperformed the traditional learning methods in tests of the system. He says the system is being improved and extended. Two of his current master's degree students - Lehong Hai and Phatthanaphong Chomphuwiset - are developing a system that can even recognize anatomical parts. The system, which is supported by a Royal Thai Government grant, can identify not only organs but also multiple views and different sections of the organs.

Dr. Siriwan says the methodology from Comet is transferable to other areas of medical education.

In a recent development, Dr. Siriwan Suebnukarn received the Thai Inventor's Award from the National Research Council of Thailand on 2 February 2007 at the BITEC Exhibition and Convention Hall, Bangkok. The award was presented by Dr. Theeraphat Serirangsan (below left), from the Prime Minister's Office.

Now that Dr. Siriwan has returned to her faculty position at Thammasat University's School of Dentistry, work is continuing as a collaboration between AIT and Thammasat.



AIT President Receives Medal of Progress from Azerbaijani President

The President of the Republic of Azerbaijan has presented the Medal of Progress to AIT President Prof. Said Irandoust for activity in the field of solidarity of the World Azeris. Prof. Irandoust, a Swedish national and former Vice-Chancellor of the University College of Boras, Sweden† from 2001-2005, also worked with one of Sweden's leading University, Chalmers University of Technology, from 1991 to 2000 with the last position as Vice President. He is from an Azerbaijani province in northwest Iran.†

He was one of the 28 recipients who was awarded the medal at a March 2006 ceremony in Heydar Aliyev Palace, during the

Second Congress of World Azeris in Baku, Azerbaijan.

President Ilham Aliyev congratulated recipients, saying, "With your activity you try to ensure alliance of the World Azerbaijanis. Diasporas led by you are very active. They bring together several millions of people. You have given great contributions to the organization of Azeri Diaspora."

"Organizations headed by you possess great power in countries you live," President Aliyev said. "I am sure the works that will be done after this congress will let us possess stronger positions. I wish you success in this mission."



Dr. Tej Bunnag Appointed New Chairman of the AIT Board of Trustees

AIT's Board of Trustees at its meeting held in October 2006 unanimously approved the nomination of Dr. Tej Bunnag (*above*), Vice Chairman of the Board, as the next Chairman of the Board of Trustees.

Dr. Tej becomes the sixth chairman. Preceding him were Professor Puey Ungpakorn, Professor Oscar Mapua, H.E. Dr. Thanat Khoman (Chairman Emeritus), M. L. Birabhongse Kasemsri and H.E. Mr. Anand Panyarachun.

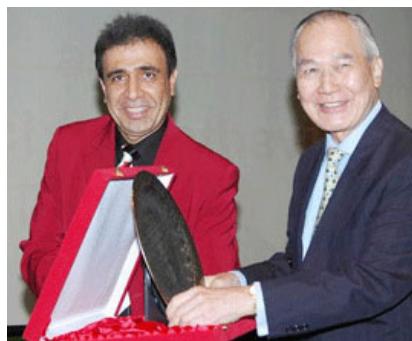
A special plaque presentation ceremony was held immediately following the meeting of the Board to felicitate the new chairman as well as to express appreciation to outgoing chairman H.E. Mr. Anand (*right photo, right*) and trustee Dr. Phaichitr Uathavikul.

H.E. Mr. Anand, in his farewell



address, noted that he has been most fortunate to receive the trust and support from members of the Board, AIT leadership and members of the AIT community, which he was confident would also be provided to his successor. He expressed confidence that under the helm of AIT President Said Irandoust, AIT will achieve great strides in the future. He was optimistic about the Institute's future and remarked that he would always be available to help and assist the Institute in any manner even after leaving the Board.

Professor Irandoust also expressed appreciation to outgoing trustee Dr. Phaichitr Uathavikul (*lower photo, right*) for his contributions in his capacity as member of the Board, Executive Committee and chairman of the Bye-laws Working Group. Elected to the Board in January 1991, Dr. Phaichitr brought to its affairs a dedication, experience, sagacity and goodwill that served the interests of the Institute outstandingly well throughout his tenure of office.



HRH Princess Sirindhorn Confers Degrees Upon 469 Graduates

Her Royal Highness Princess Maha Chakri Sirindhorn presided over the 105th graduation ceremony of the Asian Institute of Technology, held in 25 May 2006 at Thailand Science Park Convention Center. This was the first time the Princess conferred degrees at an international postgraduate institution. Four hundred sixty nine graduates were awarded masterís or doctoral degrees at the ceremony. A total of 538 students graduated, with some not able to attend the ceremony.

AITís mission has been very closely aligned to His Majesty the Kingís support for the promotion of holistic education as an important base for the development of scientific knowledge and skills, and



Her Royal Highness Princess Maha Chakri Sirindhorn addresses the Batch 105 graduates at the National Science, Technology and Development Agency convention center in May 2006.

AIT Student Wins Goldman Environmental Prize

AIT doctoral candidate Yu Xiaogang (*below*) was presented with one of the worldís most prestigious awards for environmentalism. On April 2006, he and five others received the Goldman Environmental Prize in San Francisco, California, U.S.A.

The prize recognizes individuals for sustained and



significant efforts to protect and enhance the natural environment, often at great personal risk. Each winner receives an award of US\$125,000, the largest award in the world for grassroots

environmentalists. The Goldman Prize views grassroots leaders as those involved in local efforts, where positive change is created through community or citizen participation in the issues that affect them. Through recognizing these individual leaders, the prize seeks to inspire other ordinary people to take extraordinary actions to protect the natural world.

Mr. Yu spent years creating groundbreaking watershed management programs while researching and documenting the socioeconomic impact of dams on Chinese communities. His reports are considered a primary reason that the central government paid additional restitution to villagers displaced by existing dams and now considers social impact assessments for major dam developments.

He holds his masterís degree from AIT and was employed by the Institute from 1993 to 1994 as a research associate in Gender and Development Studies. He is currently enrolled as a doctoral candidate in the same field of the School of Environment, Resources and Development.

The Goldman Environmental Prize was established in 1990 by San Francisco civic leader and philanthropist Richard N. Goldman and his late wife, Rhoda H. Goldman. It has been awarded to 113 people from 67 countries.

AIT Center Opens in Indonesia

AIT President Said Irandoust and H.E. Ir. Djoko Kirmanto, Indonesiaís Minister of Public Works signed in June 2006 an agreement in Jakarta, Indonesia, to open an AIT Center in Bandung, Indonesia in collaboration with the

MacArthur Foundation Awards Grant to AIT

The Asian Institute of Technology was among the 16 recipients of grants totaling US\$4.5 million (173 million baht) from the John D. and Catherine T. MacArthur Foundation. Announced in June 2006, the grants promote efforts to protect the biodiversity of the Lower Mekong region.

AIT will receive US\$325,000 (12.5 million baht) spread over three years for research on how to protect the forests of Vietnamís Thua Thien-Hue province and how to better support local communities who depend on forest resources for their livelihood. Funds will also be used to provide graduate-level training to provincial forestry officials and instructors at the university who train district

their appropriate applications, Her Royal Highness said in her address to the graduates. His Majesty the King has always adhered to a scientific approach to development while at the same time drawing upon great lessons from nature. AIT's mission has always emphasized this important aspect and continuously sought scientific yet practical solutions to development in the region.

AIT has made an excellent start along the required path of change so that new opportunities are being opened up with partners in the region and stands poised to embark on an exciting new phase in its development.



Indonesian Ministry of Public Works for providing human resource development. The center will facilitate research and development, consultancy, professional trainings and higher education.

This is AIT's second international center. The Institute has run a center in Vietnam since 1993.

Dr. Sugimin Pranoto has been appointed the Interim Director of the new AIT Center in Indonesia located in Bandung, West Java.

Dr. Sugimin is a 1982 AIT alumnus of the Human Settlements Development Program and currently the advisor to the Indonesian Minister of Public Works.

forestry officials in central Vietnam.

Dr. Edward L. Webb, an associate professor of Natural Resources Management in the School of Environment, Resources and Development, is the project coordinator and principal investigator.

During the first phase, two master's students graduated and two continue field work, and two doctoral students are working on dissertations in the study area. During the next phase, three master's and one doctoral student will be involved.

The Chicago, U.S.A., based MacArthur Foundation is a private, independent grant making institution dedicated to helping groups and individuals foster lasting improvement in the human condition. With assets of US\$5.4 billion, the foundation makes

grants of approximately US\$200 million each year.

United Nations University Approved AIT as its Associated Institution

The United Nations University (UNU) council at its 53rd council meeting held in Tokyo approved AIT as a UNU Associated Institution. To this effect AIT and UNU will work closely on the following issues:

- *Urban Futures and Mega Cities*, which will include guidelines for planning future urban areas and ensuring a pleasant and secure urban environment as well as managing present day mega cities.
- *Water Management*, which will include managing water in the Mekong River Basin and becoming a center of excellence for

persistent organic pollutants.

Online education and information dissemination, which will include programs for developing and delivering online courses and course modules; the integration of information related to the environment by leveraging each institution's strengths and network partner activities; biodiplomacy, which will deal with biosafety and the safe use of biotechnology; and research on online participatory analysis and application training as part of capacity development.

For AIT, this cooperation offers possibilities to hold joint research projects, conferences, symposia and training programs. This cooperation will strengthen AIT's role as a leading institute committed to sustainable development of Asian region. Dr. Srikantha Herath, AIT alumnus and Senior Academic Programme Officer, Environment and Sustainable Development, UNU played an instrumental role on bringing this partnership to fruition with support from Prof. Hans van Ginkel, Rector, UNU, who also served as the Vice Chairman of the AIT Board of Trustees.

From the AIT side, Prof. Ajit Annachhatre, coordinated the initiative.

Honorary AIT Alumnus Receives Nobel Peace Prize

Prof. Muhammad Yunus was awarded the Nobel Peace Prize in October 2006. He and the Grameen Bank he founded in Bangladesh were awarded the prize for their efforts to create economic and social development.

“Lasting peace can not be achieved unless large population groups find ways in which to break out of poverty. Micro-credit is one such means. Development from below also serves to advance democracy and human rights,” the Norwegian Nominating Committee stated.

Prof. Muhammad Yunus (right), addresses Batch 101 graduates with his commemorative speech.



AIT Career Center Launched in November 2006

AIT launched the Career Center in November 2006 to assist AIT students, staff members and alumni in making informed decisions by providing the resources, programs and counseling that will lead them to different career options, internship opportunities, part-time (on and off-campus) jobs, exchange programs and options for further education.

The Center’s services revolve around career advising and placement, student assistantship/ internship guidance and further studies and exchange program counseling.



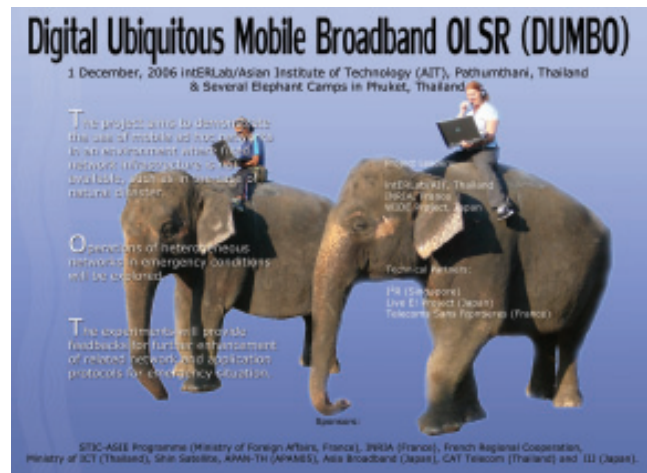
Wireless ‘DUMBO’ Turns Ordinary Laptops, PDAs into Life-saving Network

AIT held a public demonstration of a new mobile wireless network for use on an ad hoc basis, such as after a natural disaster when a fixed network infrastructure is not available or has been destroyed. The demonstration took place at IntERLab on AIT’s Pathumthani campus in December 2006.

Known as Project DUMBO, it stands for Digital Ubiquitous Mobile Broadband OLSR. (OLSR is a networking term meaning Optimized Link State Routing.) For demonstration purposes, the event featured live satellite broadcast of research activities from the DUMBO networks at two elephant camps in Phuket, Thailand.

A mobile ad hoc network (MANET) consists of mobile nodes that cooperate to support the exchange of information

among the nodes through the wireless medium. Since they do not rely on fixed telecommunication infrastructure, MANETs are suitable for emergency situations and can be set up within relatively short time and with little effort. With mobile nodes, the network can be stretched out or extended to penetrate deeper into areas not easily accessible by roads.



During the demonstration, a computer user riding on a moving elephant served as a mobile node relaying traffic to other mobile nodes on other elephants in the disaster areas. Communications between mobile ad hoc networks in different disaster sites can be established using wireless satellite connections, which in turn are connected through the normal Internet.



Vietnam Bestows Friendship Order to AIT

On behalf of the President of Vietnam, H.E. Prof. Banh Tien Long (*left photo, left*), Vice Minister, Ministry of Education and Training presented the Friendship Order to the Asian Institute of Technology (AIT) at AIT's 106th Graduation Ceremony held in December 2006 at the AIT Conference Center auditorium.

The Friendship Order is the highest award given in the area of international relations and is presented to foreign institutions and persons that have contributed to human resource training for Vietnam, and to the development of friendly relations between Vietnam and other countries.

Prof. Said Irandoust, AIT President, received the award on behalf of AIT.

In this emergency network, the mobile nodes can communicate directly among themselves using voice over IP (VoIP) and SMS messages. Streaming video can be sent from each node to the central coordination unit, which can then broadcast to all nodes in the network. The central unit can be located either in the disaster area or anywhere in the Internet. In addition, sensors will be deployed to measure environmental data such as temperature. Data from sensors will be sent to the central unit and then broadcast to all the nodes.

The idea of project DUMBO is to turn ordinary computers, such as laptops and PDAs, to network devices without having to acquire special hardware. Hence any guest computer, with simple software installation and configuration, can join in and be a part of the DUMBO network. Experiences and experimental results obtained from this project will provide feedback for further enhancement of related network and application protocols for emergency situations.

Project DUMBO is a collaboration among three main research groups: the IntERLab at the Asian Institute of Technology, INRIA (France), and the WIDE Project (Japan) together with other technical partners and sponsors.

AIT Demonstrates Thailand's First Unmanned Intelligent Vehicle

Thailand's first unmanned intelligent vehicle was successfully demonstrated at AIT campus in November 2006 after a press conference on Thailand Intelligent Vehicle Challenge (TIVC), jointly organized by AIT, Thai Robotics Society (TRS), and Seagate Technology (Thailand) Ltd. The Intelligent Vehicle Challenge is a competition of unmanned vehicles which have to drive automatically in a selected road. The vehicles must be capable of avoiding obstacles and following traffic signs.

The demonstration showed a prototype unmanned intelligent vehicle developed by AIT's Mechatronics field of study, School of Engineering and Technology. The vehicle tracked on straight and s-curve roads from the AIT cafeteria junction to the playground next to ST4 building.

The vehicle is a golf car donated by Tiger Company. It is equipped with a digital camera in the front which spots the border line in the middle of the road and then sends the processed data about relative position and orienta-



tion of the vehicle with respect to the road to a computer notebook at the back of the car. The Machine Vision system was developed to control the car's movement and direction by automatically directing the car whether it should turn left, turn right, or stop, depending on the condition of the road.

According to Dr. Manukid Parnichkun (*seen above with the prototype*), project leader, this prototype of intelligent vehicle can run at 3.6 km/hr, which is still far from the target speed of 60 km/h. It will be further equipped with various forms of sensors such as sonar, and laser sensors to monitor obstacles, and GPS to monitor its latitude and longitude position in order to be used along with regular vehicles in normal road in the future.

The project is a joint cooperation among several institutions and universities.

Academic Developments

The year 2006 was a year of academic transition. Several policies were reviewed and measures geared towards quality enhancement were implemented.

The **Academic Program Review Policy & Procedure** that provides for a systematic review of all academic programs at AIT was put in place. The review is designed to evaluate quality, mission compatibility, and viability of the programs. To be conducted every four years, the review requires each program to prepare a self study document and involves external reviewers.

The Policy and Procedure for **Evaluation of Faculty for Appointment, Contract Renewal, and Promotion** was completely revised and implemented in June 2006. The new policy provides for greater consistency and transparency of the process and introduces new criteria that are in line with the Institute's strategic development plan and with the need to improve the financial health of the Institute. A new policy on **Peer Teaching Review** was introduced and the Schools are now beginning to move forward on its implementation.

The financial data for the past five years (2002 to 2006) and enrollment data for the past four years (2003 to 2006) for each school and field-of-study were compiled. They formed the basis for the **Financial Review of Academic Programs**. Programs

with a history of repeated annual deficits or with continuously dropping enrollments were identified and meetings were held to discuss necessary actions.

The **Credit Policy** was modified and among other stipulations, the policy guides students on penalties that will be levied for outstanding and unpaid fees.

The Policy and Procedure on **Rescheduling Classes and Exams** was adopted.†The policy was reviewed to ensure that the quality of teaching is supported by keeping regular teaching and examination schedules.

The **Dismissal Policy for Doctoral Students** adopted ensures that a doctoral student/candidate on probation due to non-submission of progress†report in the previous semester will face dismissal if no progress is†submitted by the end of the current semester.

The students dismissed by the Academic Senate but who were allowed to continue with†certain conditions following their appeal to a tribunal, would be **automatically dismissed**†without any†discussion in the Academic Senate and without privilege to re-appeal, if they fail to fulfill the conditions set by the tribunal for the continuation of their study.



only. The promotional materials would specifically mention that AIT offers PhD, DTechSc. and DEng.

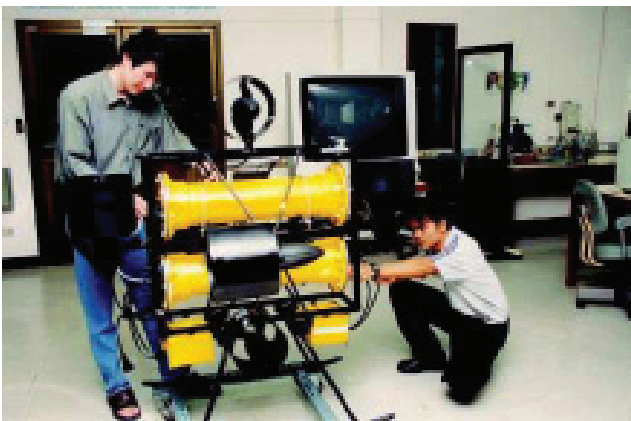
The **Affiliated Faculty** status was re-introduced, and could be granted to AIT staff members who are eligible to teach or co-teach courses, without cost to AIT, as recognition of their contribution to the academic activities of the Institute. The policy on Affiliated Faculty provides a formal mechanism for staff members to participate in teaching, student research supervision, and Academic Senate discussions.†

The **new initiatives/ programs** established were as follows:

- One-year Professional Master's Degree Program in Offshore Technology & Management (OTM)
- New area of specialization in Software Engineering
- New area of specialization in Automotive Manufacturing Engineering
- Seven month Certificate Program in Rapid Product Realization
- MBA Coursework-only Option
- Professional Doctoral Degree (DBA) Program

Deliberations on **Guidelines for Transfer of Credits to AIT** were initiated. The guidelines will facilitate student movement between institutions whereby credit already achieved in another institution is recognized towards a degree at AIT.

The doctoral student would be allowed to choose the **Doctoral Degree Title** between PhD and DTechSc. However, DEng can be given to students with engineering background



AIT Fields of Study

School of Engineering and Technology (SET)

■ Information and Communication Group

- Computer Science
- Information Management
- Remote Sensing and Geographic Information Systems
- Telecommunications

■ Industrial Systems Engineering Group

- Design & Manufacturing Engineering
- Industrial Engineering and Management
- Mechatronics
- Microelectronics

■ Civil & Infrastructure Engineering Group

- Construction, Engineering and Infrastructure Management
- Geotechnical and Geoenvironmental Engineering
- Structural Engineering
- Transportation Engineering
- Water Engineering and Management

School of Management (SOM)

- Full-time MBA ó Management of Technology, International Business, International Public Management
- Executive MBA ó EMBA in AIT and Vietnam EMBA - Human Resources Management
- Dual Degree Arrangements - AIT and one of the premier business schools in Europe
- Doctor of Philosophy (PhD) Program
- Doctor of Business Administration (DBA) Program [Professional Doctoral Program]

School of Environment, Resources and Development (SERD)

- Agricultural Systems and Engineering
- Aquaculture and Aquatic Resources Management
- Energy
- Environmental Engineering and Management
- Food Engineering and Bioprocess Technology
- Gender and Development Studies
- Natural Resources Management
- Pulp and Paper Technology
- Regional and Rural Development Planning
- Urban Environmental Management

Interdisciplinary Programs

Interdisciplinary programs, between two or more fields within and/or across Schools, are also offered. These programs integrate knowledge and skills in a holistic manner.

- Cleaner Production
- Geosystem Exploration and Petroleum Geoengineering
- Information and Communications Technologies
- Integrated Tropical Coastal Zone Management
- Offshore Technology and Management

The **Guidelines for the Introduction of New Academic Programs** were drafted and are currently being finalized.

The Policy and Procedure that will permit **doctoral students to co-teach** certain portions of courses as soon as they have completed their advancement to candidacy examination is being formalized.

Faculty fora to discuss new program ideas were organized, and task forces for new academic programs have been established.



Students

Admissions, scholarships and enrollment processes were overhauled in 2006. These reforms enabled the implementation of the following.

ï **Online Application System:** A system was deployed in November 2006 that permits applicants to apply to AIT over the web. With the online system, applicants are able to upload admission

documents via the web. They are also given access to their files to view the status of their application.

The development of the internal processing component of the system that includes evaluation of the applicants by faculty and schools is underway. With the enhanced system, automation of admissions data entry and routine checks will ultimately lead to paperless processing. The final version of the system will include decision support modules to help with admissions decisions and to help optimize use of fellowships.



New students in August 2006 -- originating from 53 countries worldwide -- receive AIT orientation from administrative office heads in the AIT Conference Center Auditorium.

ï **Admission Tracking and Fellowship Monitoring System:** Real-time monitoring of applications and admissions was implemented in April 2006. Integrated in this is a system that allows real-time monitoring and simulation of fellowship offers. The fellowship reporting segment of the system aids schools in monitoring the tuition discount level offered by each field of study

CAREER CENTER@AIT: A MILESTONE

The launching of the **Career Center@AIT** by the Student Office in November 2006 was an institute milestone. Envisioned not only to serve students and alumni, the Center is a useful link for companies to access the Institute's yearly pool of 700 master's and

doctoral graduates and its 15,000 alumni in 79 countries around the world.

Through the Center, companies are given the opportunity to connect with AIT students seeking employment and internships. The center's sophisticated web site

(www.careercenter.ait.ac.th) allows organizations to upload job postings and receive email alerts when applications are submitted in response. Vice versa, the Center provides a venue where AIT community members hook up with professionals through many of its indus-



and indicates when the level exceeds agreed-upon limits.

ï **Enrollment Management:** A system for tuition revenue stream projection was added to the current Student Information System. With this facility, the system is able to provide projections of future tuition revenues to be obtained from students currently enrolled. The newest feature of the system provides analysis of sources of tuition revenue (i.e. scholarships, external support, self-paying students, or fellowships).

ï **Institute Scholarship Allocation Guidelines.** The allocation of scholarships was revisited in 2006. Under the new set of guidelines, the following measures are implemented: (a) open competition to select strongest candidates and to break down segregation and encourage innovative interdisciplinary approaches to problems; (b) greater transparency through disclosure of guidelines and use of institute committees of experts; (c) reward activity that brings in funding; and (d) reward programs that achieve accreditation or pass academic program review.

ï **English Language Proficiency.** A new policy on student English language proficiency was introduced in 2006. This was accompanied by increased

support for English language skills development. These initiatives include: (a) requiring proof of English language proficiency corresponding to a minimum TOEFL score of 500 for admission; (b) requiring a level of English proficiency approximately equal to a TOEFL score of 550 before graduation; and (c) complementing regular courses with intensive summer and regular-semester English courses that are necessary to upgrade students' level of proficiency throughout the duration of their study program.

ï **Admissions Follow-Up.** In order to help ensure a robust enrollment and to gather information to improve the admissions process and for use in recruitment, the Student Office, assisted by student volunteers, used email and telephone to follow up with all applicants who had not yet accepted the AIT offer of admission. The activity, which took place in July 2006, allowed contacts to a total of 800 applicants. Response among those contacted was very positive ñ not only did they appreciate the personal attention and demonstration of care but many of those contacted revealed an easier adjustment period by having the same volunteers lead their way in the first few weeks after their arrival at AIT.



Vice President Prof. Peter Haddawy (left) and AIT President Prof. Said Irandoust (2nd from left) hands a token of appreciation to Mr. Gregory Poupon, representative of Manpower Co. and participant at the AIT Career Fair 2006.

try-oriented activities ñ career fairs, corporate talks, company visits, and career seminars.

One of its core activities is the holding of the bi-annual Career Fairs in November and March. At its launching on 24 November 2006, the Center attracted 26

multinational companies. These fairs not only lead to job or internship placements but also provide a platform for AIT faculty and staff to collaborate with organizations for research endeavors.

The addition and integration of the **Career Center@AIT** under the Student Office facilitated student services to become more holistic. The Center is paving the way by

which the Student Office is slowly achieving its vision of becoming a truly one-stop-student center.



Photos from left: Scenes at the AIT Career Fair in November 2006.

ENROLLMENT TRENDS

January 2005 versus January 2006

The enrollment data for January 2005 versus January 2006 is shown in Table 1. Although the applications reduced by 20% in January 2006 (from 550 to 441), the percentage of enrollment in terms of total headcount significantly increased from 46% to 54%. This is effectively complemented by the increase in the actual number of fee-paying students, which rose from 98 in January 2005 to 121 in January 2006. Overall, there was an increase of 22 full-fee equivalent students in January 2006 than in January 2005.

Table 1: INTAKE STATISTICS (January 2005 versus January 2006)

AIT overall	Applications	Offers	Enrolled	Percent Enrolment	Fee-paying Enrolled	Difference (%)	Discount Rate	FFE	Difference (FFE)
Jan-05	550	395	182	46%	98		9.65%	89	
Jan-06	441	289	155	54%	121	23%	8.51%	111	22

School of Engineering and Technology (SET)

Jan-05	156	114	44	39%	31		19.76%	25	
Jan-06	130	85	27	32%	23	-26%	12.14%	20	-5

School of Engineering, Development and Resources (SERD)

Jan-05	325	221	87	39%	44		7.38%	41	
Jan-06	216	123	61	50%	45	2%	16.67%	37	-4

School of Management (SOM)

Jan-05	69	60	51	85%	23		0.00%	23	
Jan-06	95	81	67	83%	53	130%	0.00%	53	30

Notes:

1. **Fee-Paying Enrolled:** refers to the headcount of students paying full or partial AIT fees (registration and tuition fees)
2. **Discount Rate:** refers to the average discount each fee-paying student receives; discount is given in the form of credit fellowships
3. **FFE:** refers to the Full-Fee Equivalent of all fee-paying enrolled students (e.g. 1 FFE = 1 student paying the full fees of 48 credits)

In order to help ensure a robust enrollment, the Student Office used email and telephone to follow up with all applicants who had not yet accepted the AIT offer of admission. Response among those contacted was very positive – not only did they appreciate the personal attention and demonstration of care but many of those contacted revealed an easier adjustment period.



August 2005 versus August 2006

The admissions data for August 2006 versus August 2005 is shown in Table 2. In August 2006, the Institute received 1,828 applications, which is down 46% from August 2005. A significant drop was mainly due to the intended effect of the imposition of the application processing fee. The other effect expected was the significant increase in the percentage of students accepting the offer of admission. This was, in fact, what happened with an increase of acceptance rate from 27% in August 2005 to 44% in August 2006. Due to the increase in tuition and fees and the limit on tuition discounts, it was also expected for the Institute to witness a reduction in enrollment. The number of non-exchange students (fee-paying enrolled) in August 2006 is 599, which is a drop of 11% from the figure of 672 in August 2005. On the surface such a large drop in enrollment could be a reason for concern. However, due to a lower discount rate of 14.56% in August 2006 versus 18.83% in August 2005 combined with a 14% increase in tuition, the full-fee equivalent enrollment is actually 33 students more in August 2006 than in August 2005. It is also worth noting that the average percentage tuition paid by a self-paying student increased from 18% in August 2005 to 20% in August 2006.

Table 2: INTAKE STATISTICS (August 2005 versus August 2006)

AIT overall	Applications	Offers	Enrolled	Percent Enrolment	Fee-paying Enrolled	Difference (%)	Discount Rate	Tuition Factor	Aug. 2006 FFE	Difference (FFE)
Aug-05	3,395	2,946	793	27%	672		18.83%	1	478	
Aug-06	1,828	1,599	702	44%	599	-11%	14.56%	1.14	512	33

School of Engineering and Technology (SET)

Aug-05	1,250	1,119	291	26%	283		20.43%	1	198	
Aug-06	614	572	245	43%	246	-13%	12.44%	1.14	215	18

School of Engineering, Development and Resources (SERD)

Aug-05	1,567	1,386	290	21%	276		17.68%	1	199	
Aug-06	775	648	240	37%	234	-15%	17.79%	1.14	192	-7

School of Management (SOM)

Aug-05	578	441	212	48%	113		17.65%	1	82	
Aug-06	439	379	217	57%	119	5%	12.61%	1.14	104	22

Notes:

1. **Fee-Paying Enrolled:** refers to the headcount of students paying full or partial AIT fees (registration and tuition fees)
2. **Discount Rate:** refers to the average discount each fee-paying student receives; discount is given in the form of credit fellowships
3. **Tuition Factor:** In August 2006, the Institute increased tuition fees by 14%.
4. **Aug. 2006 FFE:** refers to the Full-Fee Equivalent of all fee-paying enrolled students based on Aug. 2006 fees (e.g. 1 FFE = 1 student paying the full fees of 48 credits).

To summarize, as a result of the new policies, the Institute has been able to generate more tuition revenue with fewer students while at the same time increasing admission standards. Fewer students mean that faculty members are able to devote more attention to students, resulting in a higher quality of education. Faculty members are also able to focus more on teaching substantive course content and less on problems of communicating with students in English.



**2006 TOTAL ENROLLMENT
By School and Degree Program**

School of Engineering and Technology (SET)	January 2006 Semester	August 2006 Semester
By Degree Program	179	179
i Masterís	502	488
i Diploma	2	2
<i>Total (Degree programs)</i>	683	669
Other Programs:	†	†
- CAS	28	23
- Certificate	6	3
- Special/Exchange	2	1
<i>Total (Other programs)</i>	36	27
† SET Total	719	696

School of Environment, Resources and Development (SERD)	January 2006 Semester	August 2006 Semester
By Degree Program:	†	†
i Doctoral	233	251
i Masterís	500	484
i Diploma †	†	†
<i>Total (Degree programs)</i>	733	735
Other Programs: †	†	†
- CAS	15	12
- Bridging	2	
- Certificate	9	8
- Special/Exchange	19	5
- Research Fellows	1	1
- Post Doctoral	2	1
<i>Total (Other programs)</i>	48	27
SERD Total	781	762

School of Management (SOM)	January 2006 Semester	August 2006 Semester
By Degree Program:†	†	†
i Doctoral	66	86
i Masterís	382	414
i Diploma	2	1
<i>Total (Degree programs)</i>	450	501
Other Programs: †	†	†
- CAS	7	7
- Certificate		3
- Special/Exchange	14	27
<i>Total (Other programs)</i>	21	37
† SOM Total	471	538

Overall Total	1,971	1,996
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2006 TOTAL STUDENT ENROLLMENT
By Country of Origin

	January 2006 Semester		August 2006 Semester	
Southeast Asia	1,421	72.10%	1,488	74.55%
<i>Cambodia</i>	64		54	
<i>Indonesia</i>	45		46	
<i>Laos</i>	68		65	
<i>Malaysia</i>	7		7	
<i>Myanmar</i>	80		67	
<i>Philippines</i>	19		22	
<i>Thailand</i>	708		761	
<i>Timor Leste</i>	-		1	
<i>Vietnam</i>	430		465	
†	†			
East Asia	101	5.12%	83	4.16%
<i>Hong Kong</i>	1		1	
<i>Japan</i>	10		7	
<i>Korea</i>	13		6	
<i>PR China</i>	71		62	
<i>Taiwan</i>	6		7	
Central Asia	10	0.51%	12	0.60%
<i>Afghanistan</i>	-		1	
<i>Kyrgyzstan</i>	2		2	
<i>Mongolia</i>	6		5	
<i>Turkmenistan</i>	-		2	
<i>Uzbekistan</i>	2		2	
South Asia and West Asia	368	18.67%	343	17.18%
<i>Bangladesh</i>	80		59	
<i>Bhutan</i>	26		23	
<i>India</i>	99		83	
<i>Maldives</i>	1		4	
<i>Nepal</i>	88		84	
<i>Pakistan</i>	34		36	
<i>Sri Lanka</i>	40		54	
Pacific	1	0.05%	1	0.05%
<i>Papua New Guinea</i>	1		1	
†	†		†	
North America	14	0.71%	5	0.25%
<i>Canada</i>	4		2	
<i>USA</i>	10		3	
†	†		†	
Europe	46	2.34%	55	2.76%
<i>Austria</i>	1		-	
<i>Belgium</i>	1		-	
<i>Bulgaria</i>	1		1	
<i>Denmark</i>	5		6	
<i>Ecuador</i>	-		1	
<i>Finland</i>	-		2	
<i>France</i>	23		30	
<i>Germany</i>	5		6	
<i>Italy</i>	1		2	
<i>Latvia</i>	-		1	
<i>Netherlands</i>	1		-	
<i>Norway</i>	1		-	
<i>Poland</i>	1		-	
<i>Spain</i>	-		2	
<i>Sweden</i>	5		3	
<i>Switzerland</i>	1		1	
†	†		†	
Africa	9	0.46%	8	0.40%
<i>Cameroon</i>	1		-	
<i>Egypt</i>	1		-	
<i>Ethiopia</i>	1		1	
<i>Malawi</i>	1		1	
<i>Morocco</i>	2		4	
<i>Nigeria</i>	2		1	
<i>Rwanda</i>	1		-	
<i>Togo</i>	-		1	
†	†		†	
Tibetan Living in India	1	0.05%	1	†0.05%
† †	†	†	†	
TOTAL	1,971	100%	1,996	100%

Graduates



Dr. Tej Bunnag addresses Batch 106

Speaking at the 106th graduation ceremony on 15 December 2006, Dr. Tej Bunnag, Chairman of the AIT Board of Trustees, urged graduates to remain committed to the values espoused by AIT.

Graduation, a convocation is an extremely important day in the life of a student. Each of you stand today at a new threshold in your life. Here, in this great institution, you have imbibed the values and skills needed to deal with the world outside. Some of you may have been trained to enter

2006 Graduates by Country of Origin

	May	Aug	Sep	Dec
Southeast Asia	354	21	13	127
Cambodia	24	2		3
Indonesia	11	1		5
Laos	19	1		4
Malaysia	2			1
Myanmar	39		1	3
Philippines	6			
Thailand	120	12	11	52
Vietnam	133	5	1	59
East Asia	27	2		6
Hong Kong				
Japan	1			
Korea	4			
PR China	22	1		5
Taiwan		1		1
South Asia and West Asia	142	10		20
Bangladesh	44	2		4
Bhutan	8			1
India	36	7		8
Iran				
Nepal	34			3
Pakistan	8	1		1
Sri Lanka	12			3
North America		1		1
USA		1		1
Europe	12	2	1	6
Austria	1			
Belgium		1		
Bulgaria				1
Denmark		1		
France	6		1	4
Germany	3			
Norway	1			
Poland	1			
Sweden				1
Africa	4			
Cameroon	1			
Egypt	1			
Nigeria	1			
Rwanda	1			
TOTAL	539	36	14	160

2006 Graduates by School

	May	Aug	Sep	Dec	Total
SAT	147	10	4	31	192
SCE	83	1	2	7	93
SERD	214	2	4	34	254
SOM	95	23	4	88	210
	539	36	14	160	749

2006 Graduates by Degree Program

	May	Aug	Sep	Dec	Total
D.Eng	13		6	10	29
Ph.D	6		6	12	24
D.Tech.Sc.	6		1	2	9
M.Eng	235	7		22	264
MBA/(Exec)	90	21	1	83	195
Diploma	3			1	4



Mr. Trani (right) defends his plight during the 1st Y. P. Singhanian AIT Master's Thesis competition held in May 2006.

Y. P. Singhanian AIT Master's Thesis Awardees

Held for the first time in AIT's history, Professor Sudip K. Rakshit, VP - Research, with funding support from the Y. P. Singhanian Group from India, organized the AIT Master's Theses Competition on 21 May 2006. Competition categories were: Energy and Environment; Resources; Development; Information & Communications Technologies; Industrial Systems & Engineering; Civil Engineering; and Management. Recipients of the Y. P. Singhanian AIT Master's Thesis Prizes were as follows:

Laricar Dominic Ortega Trani
Syed Hassan Mujtaba Jafri
Rittick Borah
Nguyen Minh Thu
Dona Wilani Dynatra Subasinghe
Punyatoya Mohapatra
Shraddha Shah
Pye Soe Thu Zar

the private sector, while others may aim to work in the public sector or non-governmental organizations. These are not different worlds, for I strongly believe they are united in their commitment to improve the lives and livelihoods of people.

Whatever walk of life you may pursue, you will find that a commitment to excellence, to justice and fair play, to hard work and team spirit will stand you in good stead.

I urge you, dear graduands, to remain committed to the values espoused by AIT.†



Graduation Awardees

May 2006 (Batch 105) Awardees

Md. Zeenatul Basher A.M. Shahabuddin

(AARM @ SERD) Bangladesh
Chintana Boonthamjinda Memorial Prize

Prithula Dhungel

(CS @ SET) Nepal
Hisamatsu Prize

Luong Viet Phong

(IM @ SET) Vietnam
The James A. Linen III Memorial Prize

Manavit Vinaipanit

(IEM @ SET) Thailand
The Tim Kendall Memorial Prize

Umesh Phuyal

(ICT @ SET) Nepal
The Yoshiro Takasaki Prize

Nguyen Quang Kanh

(Mechatronics @ SET) Vietnam
The Werner Von Siemens Excellence Award

Syed Hassan Mujtaba Jafri

(Microelectronics @ SET) Pakistan
The Infineon Prize

Jiang Fenghuan

(RSGIS @ SET) P.R. China
John A. Hrones Prize

Pham Tran Tung

(TC @ SET) Vietnam
The Sonera Prize

Sivasothy Senthuran

(TC @ SET) Sri Lanka
The Wireless Personal Multimedia (WPMC) Prize

Rojee Suwal

(NRM @ SERD) Nepal
The Shoichiro Toyoda Prize

Muhammad Afzal

(CEIM @ SET) Pakistan
The Mahesh Varma Prize

Anil Bhandari

(GTE @ SET) Nepal
The Chin Fung Kee Prize



Noorma Shrestha

(SE @ SET) Nepal
The Aoyagi Prize
The Hiromichi Seya Prize

Fayyaz Mahmood Qadir, Pakistan

Mr. Taqsim Husnain, Bangladesh
(TE @ SET)
The Barbara and John Hugh Jones Prize

Nisha Budhathoki

(WEM @ SET) Nepal
The Chainarong Na Lamphun Prize

Lokhande Suresh Bajirao, India

Mwumvaneza Valens, Rwanda
Willoram Mudiyansele Ratnayake, Sri Lanka
(ASE @ SERD)
The Y.Y. Kishida Prize

A.M.C.J. Angammana

(Energy @ SERD) Sri Lanka
The Yoshiro Takasaki Prize

Nguyen Quang Hung

(EEM @ SERD) Vietnam
The Robert B. Banks Prize

Siriprapa Sootthiboon

(FEPT @ SERD) Thailand
The Albert Stevens Prize
Yoh Kurosawa Prize

Felma Joy I. Tadios

(GDS @ SERD) Philippines
The Alastair M. North Prize

Rojee Suwal, Nepal

Devi Chandra Pokhrel, Nepal
Md. Humayun Kabir, Bangladesh
Md. Ruhul Amin, Bangladesh
(NRM @ SERD)
Tim Kendall Memorial Prize

Le Tien Dung

(PPT @ SERD) Vietnam
Sukum Navapan Prize

Aryuwath Pratumsa

(RRDP @ SERD) Thailand
James A. Linen III Memorial Prize

Nguyen Minh Thu

(UEM @ SERD) Vietnam
The John A. Hrones Prize

Ashish Narayanan

(IB @ SOM) India
The Wilhelm Hill Prize

Manavit Vinaipanit

Nguyen Quang Khanh
Pham Tran Tung
Muhammad Afzal
Anil Bhandari
Noorma Shrestha
Fayyaz Mahmood Qadir
Taqsim Husnain
Mohammed Ruhul Amin
A.M.C.J. Angammana
Lokhande Suresh Bajirao
Nguyen Quang Hung
Md. Humayun Kabir
Devi Chandra Pokhrel
Willoram Mudiyansele Ratnayake
Rojee Suwal
Mwumvaneza Valens
Siriprapa Sootthiboon
AIT Alumni Association Prize

December 2006 (Batch 106) Awardees

Panupong Piyawongsomboon

(MOT @ SOM) Thailand
The John A. Hrones Prize
The AITAA Prize

Nguyen Thi Kieu Oanh

(IPM @ SOM) Vietnam
The Tim Kendall Memorial Prize<p>

Sanjay Bhatnagar, India

Mr. Sameer Prasadm, India
(EMBA @ SOM)
Thyssen Budd Automotive Prize

The Asian Institute of Technology (AIT), with almost 50 years of service, is proud to have taken a leading role in the capacity building and human resource development of the Asia-Pacific region. As of December 2006, AIT has graduated 14,769 young professionals from 79 countries and territories.

Pursuant to the new administrative structure, the Alumni Relations Office was renamed as **Alumni Relations Unit (ARU)** under the **External Relations and Communications Office (ERCO)** in February 2006. ARU works with the AIT Alumni Association (AITAA) Mother Chapter and its National Chapters and alumni at large to jointly promote AIT's academic programs as well as launch new initiatives that would contribute to the long term viability/sustainability of the Institute.

In order to keep the alumni body informed, the quarterly AIT Alumni Newsletter (Electronic Version) launched in June 2002 continued to be published. ARU has also maintained a mailing list, alumnibody@ait.ac.th, with over 9,200 active e-mail addresses of alumni.



AITAA Lao PDR Chapter Hosts 35th GBM

The AIT Alumni Association (AITAA) Lao PDR in cooperation with the AITAA Mother Chapter hosted the **35th AITAA Governing Board Meeting (GBM)**. The meeting was held on 10 December 2006 in Vientiane, Lao PDR.

At the meeting, Dr. Ir. Khin Ni Ni Thein (*above left*), Vice President for Development and Resources read out the AIT President's message to the participants. She also presented and described the Master Plan's global strategy, complementary activities, multi-tracked major campaign, essential elements for fund raising, annual fund raising, institutional readiness and others. Following VP Dr. Ir. Thein's address, the AITAA Mother Chapter and National Chapter presidents and representatives presented their respective Chapter's reports; discussed AITAA issues, alumni matters, the AIT landmark project and other related matters.

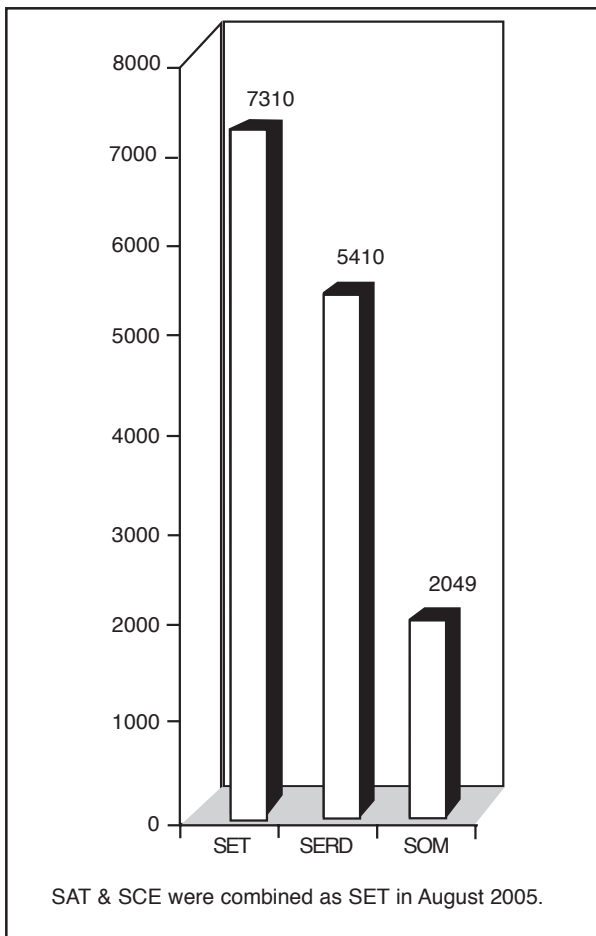
Attendees in the event were President and Executive Committee Members of AITAA (Mother Chapter), Presidents and Representatives of 15 National Chapters (Bangladesh, Cambodia, India, Indonesia, Korea, Lao PDR, Myanmar, Nepal, Pakistan, Philippines, Singapore, Sri Lanka, Taiwan, Thailand, and Vietnam). The AIT delegation comprised of 5 members including two Vice Presidents - Vice President for External Relations & Vice President for Development and Resources.

The 36th AITAA GBM in 2007 will be hosted by the AITAA-Sri Lanka Chapter.

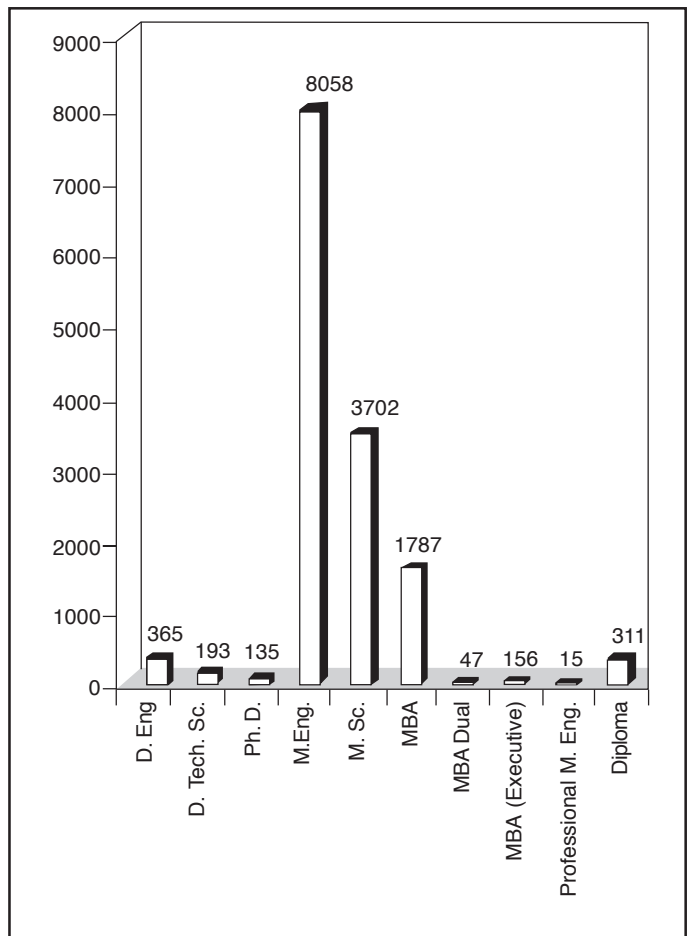
Alumni Distribution by Nationality (as of December 2006)

Southeast Asia		South Asia and West Asia		Europe		Africa	
Brunei Darussalam	10	Afghanistan	19	Austria	2	Cameroon	1
Cambodia	288	Bangladesh	874	Azerbaijan	5	Egypt	2
Indonesia	590	Bhutan	58	Belgium	12	Ethiopia	12
Laos	224	India	851	Bolivia	1	Ghana	2
Malaysia	301	Maldives	5	Bulgaria	1	Kenya	4
Myanmar	436	Nepal	831	Denmark	10	Malawi	5
Philippines	864	Pakistan	675	Finland	18	Morocco	1
Singapore	29	Sri Lanka	764	France	121	Mozambique	1
Thailand	3864	Stateless	6	Germany	25	Nigeria	4
Vietnam	1837			Honduras	1	Rwanda	1
<i>Sub-total</i>	<i>8,443</i>	<i>Sub-total</i>	<i>4,083</i>	Italy	4	Tanzania	8
		Pacific		Luxemburg	1	Zambia	1
East Asia		Australia	2	Netherlands	7	<i>Sub-total</i>	<i>42</i>
PR China	645	Fiji	1	Norway	3		
Hong Kong	88	Kiribati	1	Poland	1		
Japan	83	Papua New Guinea	9	Portugal	2		
Korea	153	Solomon Island	1	Spain	9		
Macao	7	Tonga	1	Sweden	3		
Mongolia	41	Tuvalu	1	Switzerland	2		
Taiwan	844	<i>Sub-total</i>	<i>16</i>	Turkey	6		
<i>Sub-total</i>	<i>1861</i>	North and South Americas		UK	4		
Central Asia		Argentina	1	<i>Sub-total</i>	<i>251</i>		
Iran	22	Canada	10				
Kazakhstan	14	Bolivia	2				
Kyrgyzstan	10	Honduras	1				
Tajikistan	1	Peru	1				
Uzbekistan	3	USA	18				
<i>Sub-total</i>	<i>50</i>	Venezuela	1				
		<i>Sub-total</i>	<i>34</i>				
						Total	14,769

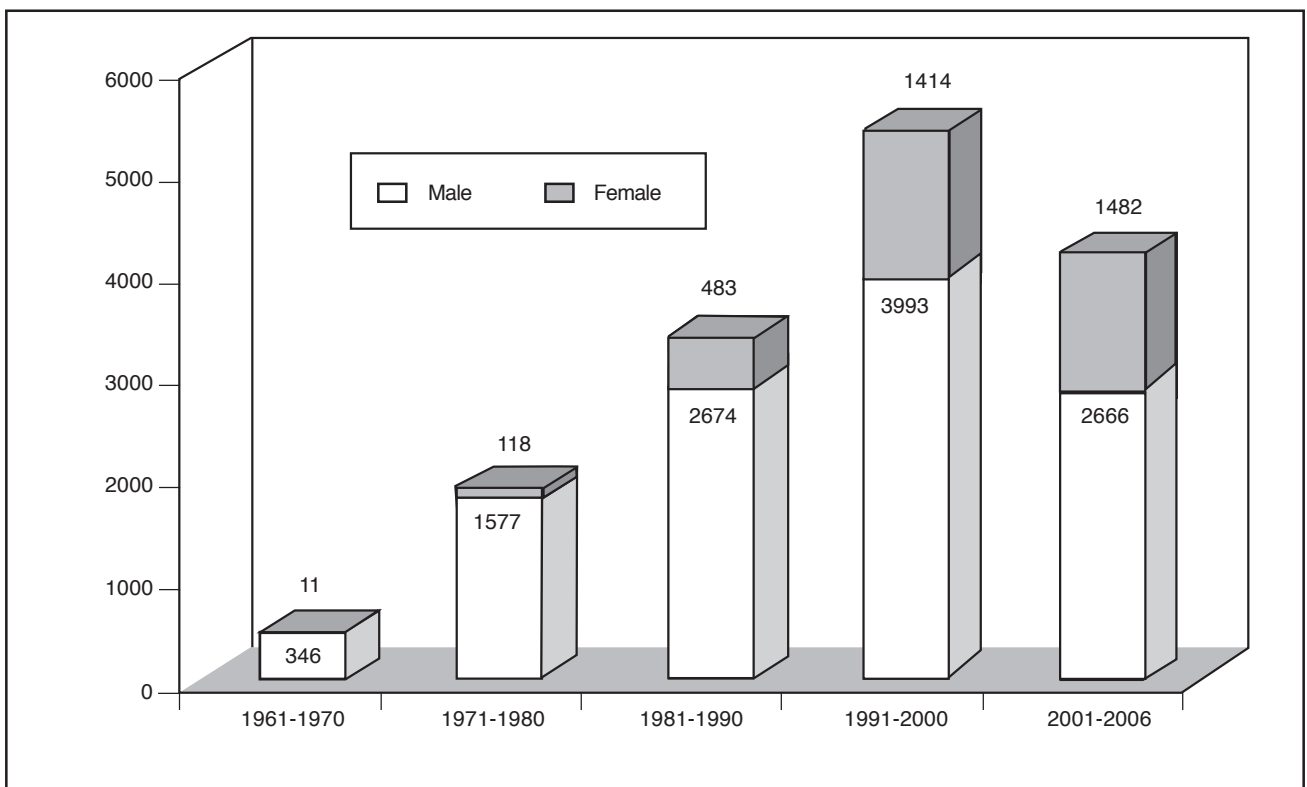
Alumni Distribution by School



Alumni Distribution by Degree



Alumni Distribution by Gender (1961-December 2006)



New Professors Installed



At the 106th graduation ceremony of 15 December 2006



Prof. Nazrul Islam (above) of the School of Management and **Prof. Ganesh Shivakoti** (left) of the School of Environment, Resources and Development were installed as new Professors.

Prof. Nazrul Islam of the Management of Technology field of study has been associated with the Institute since September 1998. His major areas of

specialization are management of technology, technology and development, technology policy and technology transfer.

Prof. Ganesh P. Shivakoti of the Natural Resources Management and the Agricultural Systems and Engineering fields of study, School of Environment, Resources and Development has been associated with the Institute since August 1998. His major areas of specialization include farming system economics, common property resources, institutions and policies related to water, land and forestry, and population and environment relationship.

AIT Faculty Receives IGS Achievement Award

The International Geosynthetics Society (IGS) on 22 September 2006, through a nomination of the IGS Thailand Chapter, awarded the IGS Achievement Award, a new category of award introduced by the IGS Council, to **Prof. Dennes T. Bergado** (right photo, second from left) of the School of Engineering and Technology.

Prof. Bergado was recognized for his contributions to IGS Thailand Chapter and IGS activities as well as for research and application of geosynthetic products. The award was presented at a special ceremony at the IGS General Assembly of the 8th



International Conference on Geosynthetics in Yokohama, Japan.

The award tops up as one of

Prof. Bergado's international awards and accomplishments having been a recent Philippines Balik Scientist Awardee in 2004.

AIT Faculty and Alumnus Receive Most Outstanding Award on Vetiver

Her Royal Highness Princess Maha Chakri Sirindhorn on 23 October 2006 graciously presented awards to an AIT faculty member and an AIT alumnus in Caracas, Venezuela. The Princess presented 'The King of Thailand Vetiver Awards' for the most outstanding achievements on

vetiver at the opening ceremony of the Fourth International Conference on Vetiver. Vetiver is a type of grass used in applications that range from erosion control to



basket-making and roof thatching.

Among the award recipients are AIT faculty member **Dr. Pichai Nimityongskul** (left) of the Structural Engineering field of study, School of Engineering and Technology and **Dr. Thammanoon Hengsadeeikul** (right), an AIT alumnus (SEC i95 & i06) who were selected to receive the King of Thailand Certificate of Excellence under the Non-Agricultural Application category.

2006 Report on Academic Activities

The table below shows the published outputs in 2006 of the three schools: SET, SERD and SOM.

Publications

Publications	SET	SERD	SOM	2006 Total
Journal Papers	99	151	28	278
Conference Papers/ Proceedings	205	125	10	340
Refereed Books/ Chapters in Books	20	28	2	50
Others**	17	40	4	61
Total	341	344	44	729

** Monographs, working papers, consultancy reports, reviews, newsletters, reference materials

Institute-wide Faculty Headcount 2006

	2006 Average
Long-term Faculty	93.92
• Direct Hire	82.50
• Seconded	11.42
Short-term Faculty	35.17
• Visiting Faculty	15.17
• Adjunct Faculty	20.00
TOTAL	129.08

Student-to-Faculty Ratio 2005

	2006 Average
SET	10.15
SERD	13.22
SOM	18.35
Average	13.91

Note: The faculty headcount fractions indicate joint appointment with two or more schools and administrative assignments.

Prof. Vilas Wuwongse, VP External Relations (below left) welcomes participants to the GMSARN Int'l Conference in December 2006 while Dr. Monthip Tabucanon (right photo), Director General, DEQP, MONRE delivers her welcome remarks.



Prof. Said Irandoust, AIT President delivers his welcome remark to participants of the Electricity Pricing and Risk Management in November 2006.

Prof. Sivanappan Kumar, Dean SERD explains the concepts of Clean Development Mechanism (CDM) in an August 2006 workshop using a Powerpoint presentation.

Research Initiatives

The Institute continued to consolidate its research activities, identifying its strengths, experience in the region and beyond, as well as to make plans for the future. Some thematic knowledge areas were identified and included in the Institute Strategic Development Plan (SDP). They shall be developed further. These are used in discussions with development agencies, private sector and other stakeholders for proposing appropriate support on their part and serve as inputs to the overall research fund raising effort of the Institute.

The thematic knowledge areas focus on the creation of niche areas of expertise that have a critical mass of faculty with the expertise in the Institute. The thematic areas under consideration are: ICT for development; food and bioresource systems, urban and rural sustainability; Asian models of management; water management and technology; and robotic and sensor networks for intelligent environment. This focus, along with entrepreneurship, innovation and leadership, will move the Institute from a center of higher education to one of higher learning and knowledge center.

Intellectual Property Initiatives

It is evident that the research capacity and knowledge created by AIT research activities need to be harnessed. With this in mind, a multi-pronged strategy was developed that includes:

- Protection of intellectual property

- Technology transfer and development of pre-incubators
- Development of consultancy services, etc.

The newly formed Institute Intellectual Property (IP) Committee reviewed and further developed policies to help protect potential innovative inventions, which either can be patented or be licensed directly to end users who will convert the same into wealth. It also contributed towards the development of the IP initiatives of the Institute, played an important role in raising the awareness of the 'capital value' of IP for AIT, and worked on the legal aspects of licensing inventions.

The Institute's first experience in capitalizing the intellectual property in its research as asset was through a patent license agreement between the Institute and an important US IP management company, with the help of an IP agent, Axis Associates International. Under the agreement, the company acquired the licenses for specific invention disclosures based on the research conducted by Dr. Nitin Afzulpurkar, Associate Professor, Mechatronics and Microelectronics Fields of Study of AIT's School of Engineering & Technology. The agreement will open further developments in the field of converting research outputs into intellectual property which will be protected by patents.

First AIT Master's Thesis Competition

A competition of the best research theses among the AIT graduating students in May 2006 was carried out to acknowledge

and showcase outstanding research conducted by its students thereby promoting and emphasizing a research atmosphere in the Institute. It has created an awareness of the type of research work carried out in various fields in the Institute; gave students confidence in their research and presentation skills; exposed students to the appropriateness of their work thus paving the way to encourage excellence in graduate scholarly research and recognizing outstanding student accomplishments.

There were seven competition categories, namely: Energy and Environment; Resources; Development; Information & Communications Technologies; Industrial Systems & Engineering; Civil Engineering; and Management. These presentations were judged according to the following criteria: relevance; originality; scientific/society contribution; general knowledge of the field; future potential for innovation; and presentation skills. The judges were renowned scientists, faculty colleagues, industry practitioners, and senior officials from international organizations, government and academe. The competition was sponsored by the Y. K. Singhanian Group from India.

Policy and Procedure Decisions

The three Decision Meetings in 2006 streamlined procedures and further actions to rationalize and promote sponsored projects. Schemes were put in place for research projects sponsored by government and development agencies, as well as for training projects, conferences and personal



AIT Master's Theses competition brings out the best research theses among the AIT graduating students in May 2006.

consultancies. Decisions were also made on faculty/staff time recovery from sponsored projects while allowing faculty and staff to earn additional income from sponsored projects; and proper crediting of sponsored projects overhead as unrestricted revenue to responsibility centers (fields of study). An incentive scheme was built into the system while deriving some revenue to the Institute for future initiatives.

Special and Extramural Lectures

In line with the President's encouragement to continuously stimulate active discussions and debate among community members, an Extramural Lecture Series was initiated, and steps were taken to revive the Institute's Professorial Lecture Series. The lecture series definitely instigated more fora for special speakers, and later, for the reporting of faculty research, and for the presentation of dissertation research by doctoral students. † These will encourage AIT doctoral students to develop professional competency in interacting and communicating across disciplines.

In January, an extramural lecture was delivered by Dr. Brian Atwater, renowned tsunami expert from the US Geological Survey, based on his book "The Orphan Tsunami of 1700". † Dr. Atwater had been listed by Time Magazine as one of the 100 most influential people of 2005 because of his discovery of evidence of ancient tsunamis of a magnitude that had not been seen in recent history until late last year.

In September, special lectures were delivered by two UNESCO Directors on opportunities of collaboration for AIT. A presentation on "UNESCO-IHE and the potential for collaboration with AIT" was given by Prof. Dr. Richard Meganck, Director/ Rector of UNESCO – IHE, Delft, the Netherlands. Another presentation on "Windows of opportunities for UNESCO-AIT collaboration in the Asian region" was given by Prof. Dr.



Dr. Brian Atwater (above), renowned tsunami expert from the US Geological Survey, delivered an extramural lecture in January 2006 based on his book "The Orphan Tsunami of 1700".



A presentation on "UNESCO-IHE and the potential for collaboration with AIT" was given by Prof. Dr. Richard Meganck (top left), Director/ Rector of UNESCO – IHE, Delft, the Netherlands. Another presentation on "Windows of opportunities for UNESCO-AIT collaboration in the Asian region" was given by Prof. Dr. Hubert Gijzen (lower left), Director, UNESCO Jakarta Office, Indonesia. Both presentations were held in September 2006.

Hubert Gijzen, Director, Jakarta Office, Indonesia.

In October, Prof. Stephen Olsen, Director of the Coastal Resources Center of the University of Rhode Island and an internationally recognized advocate of integrated coastal management, made a presentation on the "Milestones in the Evolution of Integrated Coastal Management: Theory and Practice". The Coastal Resources Center is the Institute's main partner in the USAID-funded

post-tsunami sustainable livelihood program.

Sponsored and Contracted Projects

The following pages provides a listing of completed and ongoing sponsored and contracted projects – research; trainings, workshops, short courses, symposia; conferences, seminars; and other projects – carried out in 2006.

SPONSORED AND CONTRACTED PROJECTS

Completed Projects

Type of Activity	SET	SERD	SOM	AIT Extension	IntERLab	2006 Total
Research	40	21	1	0	1	63
Training/Workshops						
Short Courses/Symposia	4	10	0	77	5	96
Conferences/Seminars	3	0	0	2	1	6
Others**	1	9	1	0	0	11

Ongoing Projects

Type of Activity	SET	SERD	SOM	AIT Extension	IntERLab	2006 Total
Research	34	31	0	0	2	67
Training, /Workshops						
Short Courses/Symposia	3	14	1	9	4	31
Conferences/Seminars	2	1	2	1	1	6
Others**	9	23	6	0	1	39

** Capacity Building, development, study visits, networking, student-exchange, etc.

School of Engineering and Technology

Completed projects

Computer Science and Information Management

Ubiquitous Network Societies for Knowledge Based Economies

Investigator: Dr. Paul Janecek
Sponsor: ADB-AIT Networking Project
Duration: 1-Mar-06 - 31-Jul-06
Total: 193,000 THB

Construction, Engineering & Infrastructure Management

Consistency of Safety and Health Management System Implementation

Investigator: Dr. B.H.W. Hadikusumo
Sponsor: Bovis Lend Lease (Thailand) Ltd.
Duration: May-05 - Dec-06
Total: 88,500 THB

Construction Work Performance under Bovis Lend Lease Safety and Health Management System

Investigator: Dr. B.H.W. Hadikusumo
Sponsor: Bovis Lend Lease (Thailand) Ltd.
Duration: May-05 - Dec-06
Total: 88,500 THB

Strategic Budgeting System II

Investigator: Dr. Chotchai Charoenngam
Sponsor: Chulalongkorn University, Thailand
Duration: Oct-04 - Mar-06
Total: 1,000,000 THB

Inspection Manuals and Procedures for Expressway Transit Authority of Thailand

Investigator: Dr. Pannapa Herabat
Sponsor: Expressway Transit Authority of Thailand
Duration: Dec-05 - Jun-06
Total: 600,000 THB

Geotechnical and Geoenvironmental Engineering

Technology Transfer of Geotechnical and Geophysical Field Testing Techniques

Investigator: Dr. Pham Huy Giao
Sponsor: Hanoi University of Mining and Geology, Vietnam
Duration: 15-Mar-06 - 30-Apr-06
Total: 90,000 THB

Development of System for Tunneling-induced Building Damage Risk Assessment Using Analytical Methods

Investigator: Dr. Kyung-Ho Park
Sponsor: Noweng Co. Ltd., Seoul, Korea
Duration: 1-Sep-04 - 31-Dec-06
Total: 376,972 THB

Soft Bangkok Clay Improvement by Thermal Consolidation with Prefabricated Vertical Drains(PVD)

Investigator: Prof. Dennes T. Bergado
Sponsor: Royal Thai Government (RTG)
Duration: 30-Sep-04 - 31-Jul-06
Total: 950,000 THB

Full-Scale Test of Reinforced Segmental Wall/Embankment Using High Strength Geogrid Reinforcement with Lightweight Rubber Tire Chip-Sand Fill on Soft Ground

Investigator: Prof. Dennes T. Bergado
Sponsor: Royal Thai Government (RTG)
Duration: 30-Sep-04 - 30-Jun-06
Total: 600,000 THB

GTE Lab Testing

Investigator: Dr. Noppadol Phien-wej
Sponsor: AIT Operation
Duration: 1-Jan-06 - 31-Dec-06
Total: 3,000,000 THB

Mechatronics and Microelectronics

Development of a Systemic-Error-Compensate CNC Controller Project

Investigator: Dr. Manukid Parnichkun
Sponsor: Mitutoyo Association for Science and Technology
Duration: 1-Jan-02 - 31-Dec-06
Total: 828,000 THB

A Study of Development of an Intelligent Vehicle Project

Investigator: Dr. Manukid Parnichkun
Sponsor: National Electronics and Computer Technology Center (NECTEC), Thailand
Duration: Mar-05 - Dec-06
Total: 1,000,000 THB

Conjugated Semiconductor Nanoparticles as Fluorophores for Rapid Detection of Bacteriaís

Investigator: Dr. Joydeep Dutta
Sponsor: NANOTECH/NSTDA
Total: 1,498,992 THB

Development of an Automated Visual Inspection System (2005-2006)

Investigator: Dr. Nitin Afzulpurkar
Sponsor: Consortium of Seagate, Hitachi, Western Digital and NECTEC
Duration: 1-Nov-04 - 31-Dec-06
Total: 1,500,000 THB

Development of Generic Smart MEMS Based Control Systems

Investigator: Dr. Nitin Afzulpurkar
Sponsor: NSTDA, Thailand
Duration: Feb-04 - Dec-06
Total: 3,880,800 THB

Development of an Automatic Tide Sensing Unit for Tsunami Early Warning System

Investigator: Dr. Manukid Parnichkun
Sponsor: Royal Thai Government Joint Research Fund
Duration: Dec-05 - Dec-06
Total: 1,000,000 THB

Nanotechnology Based Pressure Sensors for Tsunami Detection

Investigator: Dr. Joydeep Dutta
Sponsor: AIT-RTG Joint Research Project
Duration: Jun-05 - Dec-06
Total: 875,000 THB

Remote Sensing & Geographic Information Systems

Road Management Research

Investigator: Dr. Kiyoshi Honda
Sponsor: Japan Bank of International Cooperation
Duration: 5-Feb-02 - 5-Feb-06
Total: 1,111,968 THB

Asian Highway GIS

Investigator: Dr. Kiyoshi Honda
Sponsor: UNESCAP
Duration: 1-Oct-03 - 30-Aug-06
Total: 652,500 THB

Geographic Information System and Nutritional Status of Thai People

Investigator: Prof. Michiro Kusanagi, Dr. Srisaang Kaojaren
Sponsor: Royal Thai Government (RTG)
Duration: 1-Sep-04 - 31-Aug-06
Total: 600,000 THB

E3P Environmental Protection and Pig Production

Investigator: Dr. Frederic Borne
Sponsor: Centre de Cooperation Internationale en Recherche Agronomique pour le Developpement, France
Duration: 1-Mar-05 - 28-Feb-06
Total: 324,000 THB

World Summit on Sustainable Development-2 (WSSD-2)

Investigator: Dr. Lal Samarakoon
Sponsor: Japan Aerospace Exploration Agency
Duration: 1-Jun-05 - 30-Jun-06
Total: 11,000,000 THB

Analysis of Factors Influencing Rice Grain Quality cv. KDML 105 Using Geographic Information System

Investigators: Dr. Xiaoyang Chen, Dr. Srisaang Kaojaren
Sponsor: Royal Thai Government (RTG)
Duration: 1-Nov-05 - 31-Oct-06
Total: 1,000,000 THB

Human Network Project

Investigator: Dr. Lal Samarakoon
Sponsor: Japan Aerospace Exploration Agency
Duration: 1-Dec-05 - 31-Jul-06
Total: 774,810 THB

Applying Parallel Computing on Cluster and Grid Systems for Agricultural Monitoring Based on Crop Model and Remote Sensing

Investigator: Dr. Honda Kiyoshi
Sponsor: Royal Thai Government
Duration: Oct-04 - Oct-06
Total: 970,000 THB

Spatial Analysis of Malaria Risk to the Determination of Epidemiological Surveillance in an Endemic Region of Thailand and the Effectiveness of a New Control Strategy

Investigator: Dr. Honda Kiyoshi
Sponsor: Royal Thai Government
Duration: Oct-04 - Oct-06
Total: 1,000,000 THB

Structural Engineering

Seismic Hazard Assessment and Mitigation of Seismic Risk in Thailand (Phase I): Sub-projects 3 and 4

Investigator: Dr. Pennung Warnitchai and Dr. Noppadol Phienwej
Sponsor: Thailand Research Fund
Duration: 1-Sep-02 - 31-Dec-06
Total: 3,154,000 THB

Structural Engineering Laboratory

Investigator: Dr. Pichai Nimityongskul
Sponsor: AIT Operation
Duration: 1-Jan-06 - 31-Dec-06
Total: 5,000,000 THB

Chemical Modification of Natural Rubber Composites for Structural Applications

Investigator: Prof. Worsak Kanok-Nukulchai
Sponsor: Royal Thai Government (RTG)
Duration: 1-Nov-04 - 30-Sep-06
Total: 996,000 THB

Telecommunications

Algorithm and System Design of Turbo Codes and Signal Processing on Quantum Cryptography System: Simulations

Investigator: Dr. Teerapat Sanguankotchakorn
Sponsor: Royal Thai Government (RTG)
Duration: 15-Sep-04 - 31-Mar-06
Total: 810,000 THB

Transportation Engineering

Road Safety Audit along the Chalong Rat and Burpha Withi Expressways

Investigators: Prof. Yordphol Tanaboriboon, Dr. Shinya Hanaoka
Sponsor: The Expressway and Rapid Transit Authority of Thailand (ETA)
Duration: 22-Aug-05 - 30-Nov-06
Total: 1,000,000 THB

Fatigue and Sleep Deprivation on Driving Performance

Investigators: Prof. Yordphol Tanaboriboon, Dr. Kunnawee Kanitpong
Sponsor: Department of Land Transport, Thailand
Duration: 1-Apr-06 - 30-Nov-06
Total: 600,000 THB

Water Engineering and Management

The Study of Water Resources Management Review

Investigator: Dr. Sutat Weesakul
Sponsor: Hydro and Agro Informatics Institute (HAI)
Duration: 1-Jan-06 - 30-Sep-06
Total: 1,120,000 THB

JFK Integrated Disaster Mitigation

Investigator: Prof. Tawatchai Tingsanchali
Sponsor: John F. Kennedy Foundation of Thailand
Duration: 15-Jun-06 - 31-Dec-06
Total: 500,000 THB

An Assessment of the Socio-economic Impacts of Flood under Climate Change Conditions in Large Coastal Cities in South and South-east Asia

Investigator: Dr. Mukand Singh Babel
Sponsor: Asia Pacific Network for Global Change Research
Duration: 1-Sep-04 - 31-Jan-06
Total: 1,839,235 THB

Hydraulics Laboratory WEM SCE

Investigator: Dr. Sutat Weesakul
Sponsor: AIT Operation
Duration: 1-Jan-06 - 31-Dec-06
Total: 249,913 THB

Review and Investigation on Flood Drainage around Suwanna Bhumii Airport

Investigator: Prof. Tawatchai Tingsanchali
Sponsor: Royal Irrigation Department, Thailand
Duration: 1-Sep-03 - 30-Sep-06
Total: 2,727,250 THB

An assessment of Groundwater Vulnerability to Contamination and Estimation of Potential Areas Contributing Risk and Hazard to Groundwater in the Chaophraya Basin by Numerical Modeling

Investigator: Prof. Ashim Das Gupta
Sponsor: Royal Thai Government (RTG)
Duration: 1-Oct-04 - 30-Mar-06
Total: 999,000 THB

Water Quality Modeling in Tachin River

Investigator: Dr. Sutat Weesakul
Sponsor: Hydro and Agro Informatics Institute (HAI)
Duration: 1-Jun-05 - 31-May-06
Total: 1,140,000 THB

Hydraulic Model Study of Diversion Tunnel Nam Ngum 2 Hydroelectric Project

Investigator: Dr. Sutat Weesakul
Sponsor: Team Consulting Engineering and Management Co., Ltd, Thailand
Duration: 1-Sep-05 - 31-Dec-06
Total: 3,132,193 THB

Ongoing projects

Computer Science and Information Management

Building an Integrated Leading Euro-Asian Higher Education and Research Community in the field of the semantic web

Investigator: Prof. Vilas Wuwongse
Sponsor: European Commission
Duration: 1-Oct-06 - 9-Sep-09
Total: 2,960,964 THB

Argumentation as Foundation for Semantic Grid

Investigator: Prof. Pham Minh Dung
Sponsor: European Commission
Duration: 2-Jun-06 - 31-May-09
Total: 10,000,000 THB

Ministry of Science and Technology Virtual Library

Investigator: Prof. Vilas Wuwongse
Sponsor: Thaksin University, Thailand
Duration: 1-Dec-06 - 31-May-07
Total: 1,000,000 THB

Construction, Engineering & Infrastructure Management

Construction Work Performance under Bovis Lend Lease Safety and Health Management System

Investigator: Dr. B.H.W. Hadikusumo
Sponsor: Bovis Lend Lease (Thailand) Ltd.
Duration: Dec-06 - Dec-07
Total: 100,000 THB

The Strategic Portfolio Program Management

Investigators: Dr. Chotchai Charoengnam, Dr. B.H.W. Hadikusumo
Sponsor: Ministry of Foreign Affairs
Total: 4,978,000 THB

Design & Manufacturing Engineering and Industrial Engineering & Management

Evaluation of the Modernization of Technical Education in Production Technology

Investigator: Assoc. Prof. Erik L.J. Bohez
Sponsor: EMCO/RIT
Duration: Jul-01 - Dec-07
Total: 450,000 THB

Biodegradable Polylactide and Natural Rubber for Multicolor Articles Rapid Prototyping

Investigator: Dr. Pisut Koomsap
Sponsor: Royal Thai Government
Duration: Dec-05 - Dec-07
Total: 785,000 THB

Geotechnical and Geoenvironmental Engineering

Geotechnical Study Hutgyi Hydropower Project (Additional Work)

Investigator: Dr. Noppadol Phien-wej
Sponsor: EGAT Public Company, Thailand
Duration: 1-Apr-06 - 31-Oct-07
Total: 1,416,680 THB

An Engineering Geophysical Study on Ground Penetration Radar (GPR) and Electric Imaging (EI) Responses to Detect Voids beneath and/or inside a Concrete Pavement Model with Reference to Roadways Maintenance

Investigator: Dr. Pham H. Giao
Sponsor: Bureau of Road Research and Development, Department of Highways, Thailand
Duration: 1-Sep-06 - 30-Mar-07
Total: 199,919 THB

Geotechnical Advice in Construction Supervision on Foundation and Tunnel, Kawenoi Dam Project

Investigator: Dr. Noppadol Phien-wej
Sponsor: P&C Management, Co., Ltd., Thailand
Duration: 1-Mar-06 - 30-Apr-07
Total: 321,000 THB

Research on the Damages on the North East Reef of Male, The Maldives

Investigator: Dr. Ulrich Glawe
Sponsor: Environment Research Center Male, MV
Duration: 1-May-06 - 30-Apr-09
Total: 1,563,109 THB

Mechatronics and Microelectronics

Brain-Machine Interface for Robo-Animal Control Project

Investigator: Dr. Manukid Parnichkun
Sponsor: Thailand Research Fund
Duration: 31-Jul-06 - 30-Jul-09
Total: 1,200,000 THB

Development of an Exoskeleton Robot for Handicapped People Project

Investigator: Dr. Manukid Parnichkun
Sponsor: National Electronics and Computer Technology Center (NECTEC), Thailand
Duration: 1-Jul-06 - 30-Jun-09
Total: 2,043,100 THB

Development of a Medical Tele-Analyzer by Force-Displacement-Hybrid Tactile Sensor and Actuator for Abdominal Mass Analysis (Phase 2) Project

Investigator: Dr. Manukid Parnichkun
Sponsor: NECTEC
Duration: Aug-04 - Dec-08
Total: 1,674,200 THB

Automated Pick and Place of Concrete Roof Tile at the Pressing Machine Operation

Investigator: Dr. Nitin Afzulpurkar
Sponsor: CPAC Roof Tile Co. Ltd, Thailand
Duration: 1-Jun-06 - 30-Jun-07
Total: 1,350,000 THB

Fabrication and Properties of Nanoparticles Array

Investigator: Dr. Joydeep Dutta
Sponsor: KIST
Duration: 11-Jan-06 - 31-Dec-07
Total: 1,150,000 THB

Inorganic Particle Nanocomposite for Sensor Applications

Investigator: Dr. Joydeep Dutta
Sponsor: Sida Research Grant, Sweden
Duration: May-05 - Jun-07
Total: 2,018,500 THB

Nanocomposite Polymer-metal Plasmon Sensors

Investigator: Dr. Joydeep Dutta
Sponsor: Sida Research Grant, Sweden
Duration: May-05 - Apr-08
Total: 2,018,500 THB

Printed Electronics Using Direct Writing Technology

Investigator: Dr. Joydeep Dutta
Collaborator: Dr. Apinunt Thanachayanont, KMIT-Ladkrabang, Thailand
Sponsor: NANOTEC/NSTDA
Duration: 2006-2009
Total: 2,498,776 THB

Photocatalytic Thin Film Coating Technology Program Research

Investigator: Dr. Joydeep Dutta
Sponsor: NECTEC/NSTDA
Duration: 2006-2008
Total: 3,402,000 THB

Sputtering Deposition, Atmospheric CVD-like Deposition and Characterization

Investigator: Dr. Joydeep Dutta
Sponsor: NECTEC/NSTDA
Duration: 2006-2009
Total: 198,000 THB

Remote Sensing & Geographic Information Systems

JAXA Mini Project 2006-2007

Investigator: Dr. Lal Samarakoon
Sponsor: Japan Aerospace Exploration Agency
Duration: 1-Apr-06 - 1-May-07
Total: 12,308,800 THB

Global Irrigation Mapping

Investigator: Dr. Honda Kiyoshi
Sponsor: International Water Management Institute
Duration: Dec-02 - Apr-07
Total: 1,825,031

The GIS Component in Tsunami Early Warning System of AIT

Investigator: Dr. Honda Kiyoshi
Sponsor: Royal Thai Government
Duration: Nov-05 - Apr-07
Total: 875,000 THB

Remote Sensing Images Analysis around the Mesopotamia Marsh

Investigator: Dr. Honda Kiyoshi
Sponsor: Digital Service International Co., Ltd. (DSI)
Duration: Jan-04 - Jun-07
Total: 1,092,530

New Technologies for Urban Safety of Mega Cities in Asia

Investigator: Dr. Raktipong Sahamitmongkol
Sponsor: JAXA
Duration: 1-Aug-06 - 31-Mar-07
Total: 950,000 THB

Structural Engineering

Mix design of RCC for Nam Ngum 3 Dam

Investigators: Dr. Pichai Nimityongskul, Dr. Sun Sayamipuk
Sponsor: MDX Lao Co., Ltd
Duration: 6-Nov-06 - 7-Sep-07
Total: 695,328 THB

Load test for the Second Mekong International Bridge

Investigators: Dr. Pichai Nimityongskul, Dr. Sun Sayamipuk
Sponsor: Sumitomo Mitsui-Vichitbhan-Siam Syntech-Krung Thon JV (SVSK JV)
Duration: 6-Nov-06 - 7-Sep-07
Total: 962,000 THB

Transportation Engineering

Logistics Management at the intermodel Terminals

Investigator: Dr. Shinya Hanaoka
Sponsor: Royal Thai Government
Duration: 1-Nov-05 - 28-Feb-07
Total: 876,000 THB

Analysis of the Causes of School Bus Accident and Study of School Bus Management in Thailand

Investigator: Dr. Kunnawee Kanitpong
Sponsor: National Health Foundation
Duration: 15-Dec-06 - 30-Apr-07
Total: 220,000 THB

Water Engineering and Management

UNEP Water Vulnerability Assessment in South and South East Asia

Investigator: Prof. Ashim Das Gupta
Sponsor: UNEP ROAP
Duration: 1-Jan-06 - 31-Jul-07
Total: 3,600,000 THB

Hydraulic Model Study on Overflow Spillway for Nam Ngum 2 Hydroelectric

Investigator: Dr. Sutat Weesakul
Sponsor: Team Consulting Engineering and Management Co.,Ltd, Thailand
Duration: 1-Feb-06 - 30-Apr-07
Total: 6,300,000 THB

Development of River Basin Flood Management System by Optimal Reservoir Operation and Real Time Flood Forecasting and Warning: A Case Study of Pasak River Basin

Investigator: Prof. Tawatchai Tingsanchali
Sponsor: National Research Council of Thailand
Duration: 1-Aug-06 - 31-Oct-07
Total: 2,000,000 THB

An ecological approach to water and sanitation assessment and management in Panglao Island, Philippines

Investigator: Dr. Roberto S. Clemente
Sponsor: SEA-UEMA / CIDA
Duration: 1-Oct-06 - 31-Jul-07
Total: 150,800 THB

School of Environment, Resources and Development

Completed projects

Aquaculture and Aquatic Resources Management

Identification of sex in immature Mekong giant catfish (*Pangasianodon gigas*) by using molecular genetic technique (AFLP)

Investigator: Dr. Amrit N. Bart
Sponsor: Royal Thai Government (RTG)
Duration: 1-Oct-04 - 30-Sep-06
Total: 995,000 THB

The Application of the Mekong Giant Catfish (*Pangasianodon gigas*) Sperm Cryopreservation for Conservation and Commercial Breeding in Aquaculture

Investigator: Dr. Amrit N. Bart
Sponsor: Royal Thai Government (RTG)
Duration: 1-Oct-04 - 30-Sep-06
Total: 950,000 THB

Energy

Laboratory testing

Investigator: Dr. Mithulanathan Nadarajah
Sponsor: AIT Operation
Duration: 1-Jan-05 - 31-Dec-06
Total: 200,000 THB

Environmental Engineering and Management

Feasibility Study of Eco-Industrial Clusters Located in Urban-Fringed Areas as a Strategic Approach for Integrated Environmental and Economic Planning

Investigator: Prof. C. Visvanathan
Sponsor: Institute for Global Environmental Strategies, Japan
Duration: 1-Jan-06 - 31-Mar-06
Total: 242,497 THB

Development of Microbial Characterization Techniques for Biological Wastewater Treatment in Developing Countries under Center for Sustainable Urban Regeneration (CSUR) project

Investigators: Prof. Ajit Annachatre, Dr. Toshiya Aramaki, UT
Sponsor: CSUR, The University of Tokyo (UT)
Duration: 1-Jan-06 - 31-Dec-06
Total: 90,000 THB

Development of Toxic Industrial Wastewater Treatment Technology Based on Advanced Oxidation Processes & Membrane Bioreactor

Investigator: Prof. C. Visvanathan
Sponsor: Royal Thai Government
Duration: Nov-05 - Nov-06
Total: 1,000,000 THB

Dissolved oxygen control system for upgrading conventional activated sludge process for seafood industrial wastewater in Southern Thailand

Investigator: Prof. Ajit P. Annachatre
Sponsor: RTG Joint Research Project FY 2004
Duration: 1-Sep-04 - 31-May-06
Total: 975,000 THB

Feasibility Study on Refuse Derived Fuel Potential in Municipal Solid Wastes in Thailand for Co-Processing in Cement Kilns

Investigator: Prof. C. Visvanathan
Sponsor: Blackwood Ventures (Thailand) Co., Ltd
Duration: 1-Nov-05 - 31-Dec-06
Total: 374,500 THB

Joint AIT-Japanese Survey of the Surface Water and Ponds

Investigator: Dr. Oleg Shipin
Sponsor: Public Works Research Institute (Tsukuba) and University of Tokyo
Duration: 1-Jan-05 - 28-Feb-06
Total: 563,240 THB

Joint survey of the AIT pond-based wastewater treatment plant

Investigator: Dr. Oleg Shipin
Sponsor: Public Works Research Institute (Tsukuba) & University of Tokyo
Duration: 1-Feb-05 - 28-Feb-06
Total: 563,240 THB

Food Engineering and Bioprocess Technology

Analysis of Fish Sauce Sample Obtained by Different Fermentation Modes

Investigator: Prof. Athapol Noomhorm, Dr. Mukku Shrinivas Rao
Sponsor: Marine Resources Development Co. Ltd.
Duration: 10-Apr-04 - 31-Dec-06
Total: 1,139,800 THB

Organic Food Production

Investigator: Prof. Athapol Noomhorm
Sponsor: Royal Thai Government (RTG)
Duration: 1-Sep-04 - 28-Feb-06
Total: 940,000 THB

Development of Standard Methods for Evaluating Thai Rice Quality by Near Infrared Spectroscopy

Investigator: Prof. Athapol Noomhorm
Sponsor: Royal Thai Government (RTG)
Duration: 1-Sep-04 - 30-Apr-06
Total: 950,000 THB

Milling Yield Evaluation for Thai Rice

Investigator: Prof. Athapol Noomhorm
Sponsor: Department of Internal Trade, Thailand
Duration: 1-Dec-05 - 31-Jul-06
Total: 600,000 THB

Improvement of Fumigation and Application of CA and Irradiation to Control Insects in Packaged Rice

Investigator: Prof. Athapol Noomhorm
Sponsor: Thailand Research Fund and Rice Engineering Supply Co.,Ltd.
Duration: 1-Sep-03 - 31-May-06
Total: 1,592,838 THB

Use of Combination of Irradiation and Modified Atmosphere Packaging in Extending Shelf Life of Chilled Thai Spicy Basil Rice

Investigator: Prof. Athapol Noomhorm
Sponsor: International Atomic Energy Agency
Duration: 1-Jan-04 - 31-Aug-06
Total: 436,480 THB

Gender and Development Studies

Japanese Government - Gender and Development

Investigator: Dr. Kyoko Kusakabe
Sponsor: Japanese Government
Duration: 31-Dec-06
Total: 15,556,465 THB

The Impact of State Power in Ethnic Conflict Areas

Investigator: Dr. Kyoko Kusakabe
Sponsor: OSI Development Foundation (OSIDEV), Switzerland
Duration: 1-May-05 - 31-Dec-06
Total: 1,038,301 THB

Understanding Policy Processes in Biotechnology and Biosafety Measures in Thailand and China
 Investigator: Dr. Bernadette Resurreccion
 Sponsor: International Development Research Centre, Canada
 Duration: 1-Jul-05 - 31-Dec-06
 Total: 5,007,383 THB

Pulp and Paper Technology

Laboratory testing
 Investigator: Dr. Raimo Malinen
 Sponsor: Hercules Chemicals, APRIL, Other Companies
 Duration: 1-Jun-04 - 31-Dec-06
 Total: 926,759 THB

Urban Environmental Management

Research Project on Environmental Situation Investigation of Thailand
 Investigator: Dr. Nowarat Coowanitwong
 Sponsor: Korea Environmental Institute
 Duration: 3-Apr-06 - 22-Sep-06
 Total: 120,000 THB

Ongoing projects

Aquaculture and Aquatic Resources Management

Development of Release Strategies for Stock Enhancement of the Tropical Abalone *Haliotis Asinina*
 Investigator: Dr. Wenresti Gallardo
 Sponsor: International Foundation for Science
 Duration: 1-Oct-05 - Dec-07
 Total: 239,663 THB

Impact Study on Wooden Trail Construction in Mangroves Eco-system
 Investigator: Dr. Kou Ikejima
 Sponsor: The University of Tokyo, Japan
 Duration: 1-May-06 - 31-Dec-07
 Total: 264,880 THB

Regional Studies of Aquaculture Systems and Impacts in South East Asia, and Management Considerations for Non-Traditional Aquaculture Systems in Vietnam (CRSP Workplan 11)
 Investigators: Dr. Yang Yi, Dr. Amrit Bart
 Sponsor: CRSP
 Duration: Aug-01 - Jun-07
 Total: 46,665,752 THB

Agricultural Systems and Engineering

Protected Cultivation ñ An Approach to Sustainable Vegetable Production in the Humid Tropics- Phase II
 Investigator: Prof Vilas M Salokhe
 Sponsor: German Research Grant - DFG
 Duration: 2004-2007
 Total: 10,000,000 THB

Hannover-AIT Greenhouse Project ñ Phase-II
 Investigator: Prof Vilas M Salokhe
 Sponsor: German Research Grant - DGF
 Duration: 2004-2007
 Total: 15,550,000 THB

Upgrading of Green House Facility
 Investigator: Prof. V. M. Salokhe
 Sponsor: Hannover University, Germany
 Duration: 2004-2007
 Total: 986,995 THB

Increasing Water Use Efficiency by Using Mulch Under SRI (System of Rice Intensification) Management Practices in Northeast Thailand
 Investigator: Prof. Vilas Salokhe
 Sponsor: International Water Management Institute
 Duration: 1-Jan-06 - 30 Jun-07
 Total: 2,925,000 THB

Energy

Promotion of Biofuels for Sustainable Development in South and Southeast Asia
 Investigator: Dr. Animesh Dutta, Prof. S. Kumar, Prof. Ram Shrestha
 Sponsor: Winrock International India
 Duration: 25-May-06 - 30-Jun-07
 Total: 608,580 THB

The Potential for Transferring and Implementing Sustainable Energy Technologies through the Clean Development Mechanism of the Kyoto Protocol
 Investigator: Dr. Mithulananthan Nadarajah
 Co-Investigator: Dr. A. Dutta
 Sponsor: Commission of the European Communities (CEC)
 Duration: 1-Feb-06 - 31-Jan-08
 Total: 2,237,200 THB

Environmental Engineering and Management

Aerosol Emission from Diesel-Powered Vehicles and Open Biomass Burning, and Effects on Air Quality and Climate
 Investigator: Dr. Nguyen Thi Kim Oanh
 Sponsor: University of Illinois at Urbana-Champaign
 Duration: 1-Jul--6 - Jun-07
 Total: 245,560 THB

Application of Filtration Technologies for Piggery and Industrial Wastewater Treatment/Reuse and Resource Recovery under Tropical Conditions
 Investigator: Dr. Oleg Shipin
 Sponsor: Kumoh National Institute of Technology, Korea, and Environmental Management Corporation, Incheon
 Duration: 1-Nov-03 - 30-Jan-08
 Total: 1,827,081 THB

Biowaste Reuse in Southeast Asian Cities
 Investigator: Dr. Thammarat Koottatep
 Sponsor: European Commission (Asia Pro Eco Program)
 Duration: 30-Nov-06 - 31-Mar-07
 Total: 915,123.10 THB

Determination and Mitigation Measures of Pollution Controls in the Upper Gulf of Thailand (UPPER GOT)
 Investigator: Dr. Thammarat Koottatep
 Sponsor: Pollution Control Department, Ministry of Natural Resources and Environment, Thailand
 Duration: 1-Mar-06 - 31-Jul-07
 Total: 1,664,064 THB

Health Effects of Traffic Air Pollution in Hanoi
 Investigator: Dr. Nguyen Thi Kim Oanh
 Sponsor: CIDA (through the SEA-UEMA Project)
 Duration: 1-Apr-06 - 31-Mar-07
 Total: 345,150 THB

Improving Air Quality in Asian Developing Countries Project
 Investigators: Dr. Nguyen Thi Kim Oanh, Prof. Chongrak Polprasert
 Collaborating Institutes: Research Centre for Eco-Environmental Sciences, Chinese Academy of Sciences, University of Science and Technology of China, Beijing, China; Indian Institute of Technology, Madras, India; Institute of Technology of Bandung, Indonesia; Manila Observatory, Philippines, and Hanoi University of Sciences, Vietnam
 Sponsor: Sida
 Duration: 1-Jan-04 to 30-Jun-08
 Total: SEK 7,589,944

Industrial and Hazardous Waste Treatment and Management Project
 Investigator: Prof. Ajit P. Annachhatre
 Collaborating Institutes: Agharkar Research Institute, India; Center for Pulp and Paper, Indonesia Universiti Kebangsaan Malaysia, Malaysia; De la Salle University, Manila, Philippines; University of Moratuwa, Sri Lanka
 Sponsor: Sida
 Duration: 1-Jan-04 to 30-Jun-08
 Total: SEK 7,764,006

Integrated Study on Treatment of Shrimp Aquaculture Wastewater Based on Membrane Bioreactor and Development of a Membrane Technology Curriculum
 Investigator: Prof. C. Visvanathan
 Sponsor: Royal Thai Government
 Duration: 1-Nov-05 to 31-Mar-07
 Total: 1,000,000 THB

Investigation on the Impacts of Urban-Rural Air Pollution on Air Quality and Climate in Southeast Asia

Investigator: Dr. Nguyen Thi Kim Oanh
Sponsor: Asia Pacific Network (APN) for Global Change Research
Duration: 1-Dec-06 - 31-Dec-08
Total: 2,134,800 THB

Sai Noi Dumpsite Rehabilitation and Its Potential for Refuse Derived Fuel Recovery

Investigator: Prof. C. Visvanathan
Sponsor: SEA-UEMA / CIDA Project
Duration: 1-Jan-06 - 31-Mar-07
Total: 395,650 THB

Septage Treatment in Constructed Wetlands and Attached-Growth Waste Stabilisation Ponds

Investigator: Dr. Thammarat Koottatep
Sponsor: EAWAG, Switzerland
Duration: 1-Sept-96-31-Dec-08
Total: 7,555,556 THB

Sustainable Solid Waste Landfill Management in Asia Project

Investigator: Prof. C. Visvanathan
Collaborating Institutes: Anna University, Chennai, India; Kasetsart University, Thailand; University of Peradeniya, Sri Lanka; Tongji University, China
Duration: 1-Jan-04 to 30-Jun-08
Total: SEK 5,751,479

SWOp Analysis of Eco-Industrial Clusters in Thailand, India and Vietnam

Investigator: Prof. C. Visvanathan
Sponsor: Institute for Global Environmental Strategies, Japan
Duration: 1-Apr-06 - 31-Mar-07
Total: 918,197 THB

Wastewater Treatment and Management Project

Investigator: Prof. Ajit P. Annachhatre
Collaborating Institutes: Indian Institute of Technology, Kanpur, India; Indian Institute of Technology, Bombay, India; Center for Environmental Technology and Management, Vanlang University, Vietnam; King Mongkut University of Technology Thonburi, Bangkok, Thailand
Total: SEK 6,648,179

Food Engineering and Bioprocess Technology

Development of Rapid Methods for the Detection of Pathogens in Aquatic Food

Investigator: Prof. Sudip K. Rakshit
Sponsor: Royal Thai Government (RTG)
Duration: 1-Feb-06 - 30-June-07
Total: 830,000 THB

Gender and Development Studies

Gender, Cross Border Migrant Workers and Citizenship- A Case Study of the Burmese-Thai Border

Investigator: Dr. Kyoko Kusakabe
Sponsor: International Development Research Centre, Canada
Duration: 1-Nov-06 - 31-Oct-09
Total: 10,559,630 THB

Understanding Policy Processes in Biotechnology and Bio-safety Measures in Thailand & China

Investigator: Dr. Bernadette Resurreccion
Sponsor: IDRC
Duration: 2005-2007
Total: 5,007,383

The Impact of State Power in Ethnic Conflict Areas

Investigator: Dr. Kyoko Kusakabe
Sponsor: OSI Development
Duration: 2005-2007
Total: 1,038,301 THB

Natural Resources Management

Monitoring and Conserving Forest Diversity in Nam Dong District, Thua Thien Province, Vietnam

Investigator: Dr. Edward L. Webb
Sponsor: The MacArthur Foundation
Duration: 1-Jan-06 - 31-Dec-09
Total: 9,504,000 THB

Pulp and Paper Technology

Hercules US Study

Investigator: Dr. Raimo Malinen
Sponsor: Hercules Incorporated, USA
Duration: 15-Jul-06 - 14-Jul-07
Total: 1,140,000 THB

Regional and Rural Development Planning

Indian Ocean Tsunami Warning Systems (IOTWS)

Investigator: Dr. Mokbul Morshed Ahmad
Sponsor: USAID
Duration: 1-Sep-06 - 31-Aug-07
Total: 869,500 THB

Urban Environmental Management

Research on Understanding Policy Processes in Biotechnology Development in Thailand and China

Investigators: Dr. Bernadette Resurreccion, Dr. Edsel Sajor (Co-Principal Investigator)
Sponsors: Research on Knowledge Systems, International Development Research Center; Rockefeller Foundation
Duration: Jul-05 - Jul-07
Total: 4,709,100 THB

School of Management

Completed projects

Research for Local Action Towards Sustainable Human Settlements

Investigator: Dr. Willi Zimmermann
Sponsor: European Commission / ICLEI Freiburg
Duration: 15-May-05 - 14-Apr-06
Total: 791,988 THB

Other Units

Internet Education and Research

Laboratory (IntERLab)

Completed projects

Study on Telephone Number Mapping (ENUM)

Investigator: Prof. Kanchana Kanchanasut
Sponsor: THNIC Co., Ltd
Duration: 1-Jan-05 - 31-Dec-06
Total: 1,643,520 THB

Ongoing projects

New Generation Internet for Medical Science Remote Classroom

Investigator: Prof. Kanchana Kanchanasut
Sponsor: Science and Technologies of Information and Communication in Asia - Université Pierre et Marie Curie
Duration: 1-Jan-06 - 31-Dec-07
Total: 506,000 THB

Multimedia Architecture and Application Based on SIP

Investigator: Prof. Kanchana Kanchanasut
Sponsor: Science and Technologies of Information and Communication in Asia - Institut National de Technologie
Duration: 1-Mar-06 - 31-Dec-07
Total: 460,000 THB

— **Trainings/Workshops/Short Courses/Symposia** —

School of Engineering and Technology

Completed projects

Computer Science and Information Management

Computer-Aided Learning Program for Health Professional Students in Diabetes Patient History Taking

Coordinator: Prof. Peter Haddawy
Sponsor: Royal Thai Government (RTG)
Duration: 1-Sep-04 - 30-Sep-06
Total: 156,000 THB

A Collaborative Intelligent Tutoring System for Medical Problem-Based Learning

Coordinator: Prof. Peter Haddawy
Sponsor: Royal Thai Government (RTG)
Duration: 1-Sep-04 - 30-Sep-06
Total: 942,500 THB

Construction, Engineering & Infrastructure Management

CIB Symposium on Globalization and Construction

Coordinator: Prof. Stephen C. Ogunlana, Dr. Chotchai Charoenngam, Dr. Pannapa Herabat, Dr. B.H.W. Hadikusumo
Sponsor: Participants
Duration: 1-Mar-04 - 31-Mar-06
Total: 1,025,000 THB

Transportation Engineering

Road Safety Training

Coordinator: Dr. Shinya Hanaoka
Sponsor: Handicap International in Vietnam
Duration: 1-Jun-06 - 31-Aug-06
Total: 302,974 THB

Ongoing projects

Water Engineering and Management

E-learning Program on IWRM for UCC-Water

Coordinator: Dr. Mukand Singh Babel
Sponsor: UCC-Water
Duration: 1-Sep-06 - 3-Aug-08
Total: 1,242,500 THB

Workshop on Sediment Management in South and Southeast Asia

Coordinator: Dr. Mukand Singh Babel
Sponsor: UNESCO, Paris
Duration: 1-Apr-06 - 31-Dec-07
Total: 874,000 THB

E-learning Program on IWRM for self pay Student

Coordinator: Dr. Mukand Singh Babel
Sponsor: Self Paying Student
Duration: 6-Sep-06 - 8-Aug-08
Total: 190,000 THB

School of Environment, Resources and Development

Completed projects

Aquaculture and Aquatic Resources Management

Training Course on iAquaculture Extensioni

Coordinator: Dr. Yang Yi
Sponsor: NAQDA Sri Lanka
Duration: 19-Nov-06 - 31-Dec-06
Total: 370,336 THB

Energy

Workshop on Mainstream Policies and Investment on Low Carbon: Opportunities for new approaches to investment and flexible mechanisms

Coordinator: Dr. Mithulananthan Nadarajah, Prof. Ram Shrestha
Sponsor: UNESCAP
Duration: 20-Aug-06 - 20-Nov-06
Total: 2,506,524 THB

Environmental Engineering and Management

Short Term Training Program on Technical Support of Laboratory Application and Multimedia Handling

Coordinator: Prof. C. Visvanathan
Sponsor: Department of Chemical and Process Engineering, University of Moratuwa, Sri Lanka
Duration: 1-Oct-05 - 31-Jan-06
Total: 120,000 THB

The Third International Symposium on Southeast Asian Water Environment

Coordinator: Dr. Toshiya Aramaki
Sponsor: The University of Tokyo, Japan
Duration: 1-Jul-05 - 30-Jun-06
Total: 735,600 THB

Training on iAmbiant Air Monitoring with Emphasis on Equipment Operation, Data Management and Receptor Modelingi

Coordinator: Dr. Nguyen Thi Kim Oanh
Sponsor: Department of Environment, Bangladesh
Duration: 1-Jul-06 - 30-Sept-06
Total: 239,400 THB

Training of Trainers (ToT) Workshop Distance Learning Course on Urban Air Quality Management for Asian Cities

Coordinator: Dr. Nguyen Thi Kim Oanh
Sponsor: World Bank Institute
Duration: 1-Feb-05 - 31-Mar-06
Total: 245,700 THB

Food Engineering and Bioprocess Technology

Testing of Samples, Training to Visiting Researchers and Other Laboratory Services

Coordinator: Dr. Shrinivas Rao
Sponsor: Multi-donors
Duration: 1-Jun-06 - 30-Aug-06
Total: 40,000 THB

Gender and Development Studies

Workshop on the Assessment of Gender Mainstreaming Practices in Thailand: Identifying Factors of Successes and Failures

Coordinator: Dr. Kyoko Kusakabe
Sponsor: Government of Japan
Duration: 1-Feb-06 - 30-Sep-06
Total: 795,622 THB

Training workshop for the students from Ochanomizu University, Japan

Coordinator: Dr. Kyoko Kusakabe
Sponsor: Participants
Duration: 1-Jun-05 - 31-Mar-06
Total: 97,778 THB

Natural Resources Management

International Forestry Resources and Institutions training

Coordinator: Prof. Ganesh P. Shivakoti, Dr. Edward L. Webb, Dr. Ambika P Gautam
Sponsor: Indiana University IFRI Center & MacArthur Foundation
Duration: 1-May-05 - 31-Aug-06
Total: 493,685 THB

Ongoing projects

Energy

Training on and Transfer of Efficient EU Technology in the Sugar Sector in Thailand

Coordinator: Dr. Mithulananthan Nadarajah, Dr. Weerakon Ongsakul, Dr. Animesh Dutta, Prof. Surapong Chirattananon, Dr. H.P.W. Jayasuriya
Sponsor: EU-Thailand Economic Cooperation (Small Projects Facility)
Duration: 7-Jan-06 - 06-Apr-07
Total: 9,500,000 THB

Technical Officer Training

Coordinator: Dr. Mithulananthan
Nadarajah, Prof. Athapol Noomhorm
Sponsor: University of Moratuwa,
Sri Lanka
Duration: 6-Nov-06 - 28-Feb-07
Total: 125,400 THB

Environmental Engineering and Management**Annual Review Workshops under ARRPE II**

Coordinator: Prof. Ajit P. Annachhatre
Sponsor: Sida
Duration: 1-Jan-04 - 31-Dec-07
Total: SEK 1,765,445

Asian Institute of Technology - United Nations University (AIT-UNU) Brainstorming Workshop

Coordinator: Prof. Ajit P. Annachhatre
Sponsor: AIT
Duration: Nov-06 - May -07
Total: 117,600 THB

IWA Specialist Group Conference on Waste Stabilization Ponds

Coordinator: Dr. Thammarat Koottatep,
Prof. Chongrak Polprasert
Sponsor: IWA, United Kingdom
Duration: 15-Sep-05 - 31-Mar-07
Total: 1,130,978.83 THB

The Fourth International Symposium on Southeast Asian Water Environment

Coordinator: Prof. C. Visvanathan
Sponsor: The University of Tokyo, Japan
Duration: 16-May-06 - 31-Mar-07
Total: 311,875 THB

Technical Training-Cum-Study Visits on Sustainable Sanitation Systems and Constructed Wetlands (UNICEF Training)

Coordinator: Dr. Thammarat Koottatep
Sponsor: UNICEF, Sri Lanka
Duration: 15-May-06 - 30-Apr-07
Total: 1,440,791.50 THB

WHO Collaborating Centre for Water Supply and Waste Disposal: International Symposium on Water Treatment, Research Projects and Training Programs in Health-related Environmental Engineering

Coordinator: Dr. Oleg Shipin
Sponsor: WHO Geneva
Duration: 1-Jan-05 - 1-Dec-07
Total: 1,236,609 THB

Workshop on Asian Regional Programme on Persistent Organic Pollutants (ARPOPs)

Coordinator: Prof. Ajit P. Annachhatre
Sponsor: Sida
Duration: Aug-05 - Apr-07
Total: SEK 530,000

Food Engineering and Bioprocess Technology**Regional Workshop on Integrated Policies for Bio-Innovations in Agriculture and Health in Asia**

Coordinator: Prof. Sudip K. Rakshit
Sponsor: International Development Research Centre (IDRC) and the Rockefeller Foundation
Duration: 1-Oct-06 - 01-Oct-07
Total: 1,555,937 THB

Training Workshop on Food Safety Assessment of Agriculture-Related GMOs

Coordinator: Prof. Sudip K. Rakshit
Sponsor: Agrico/ Asian Development Bank TA
Duration: 1-Sep-06 - 31-May-07
Total: 940,236 THB

Gender and Development Studies**Training Workshop for the Students from Ochanomizu University, Japan**

Coordinator: Dr. Kyoko Kusakabe
Sponsor: Japanese Government
Duration: 2007
Total: 1,050,000 THB

Natural Resources Management**Regional workshop on sustainable land management**

Coordinator: Dr. Rajendra P. Shrestha
Sponsor: United Nations Office for Project Services
Duration: 1-Oct-06 - 30-Apr-07
Total: 1,228,910 THB

Regional and Rural Development Planning**Training Programme on Environmental Management Tools for SAARC Countries**

Coordinator: Prof. Jayant Routray
Sponsor: UNEP ROAP
Duration: 1-Jan-06 - 31-Dec-07
Total: 1,920,000 THB

School of Management**Ongoing projects****AIT-SOM GTZ e-Learning**

Coordinator: Dr. Sundar Venkatesh
Sponsor: GTZ
Duration: Oct-05 - Aug-07
Total: 150,000 Euro

AIT Extension**Completed projects****Time Management**

Coordinator: Mrs. Niramol Ponvilai
Sponsor: UNESCAP
Duration: 21-Nov-05 - 31-Mar-06
Total: 429,000 THB

Rural Information Networks in Asia-Pacific: Innovative Practices and Future Direction

Coordinator: Mrs. Niramol Ponvilai
Sponsor: Food and Agriculture Organization
Duration: 14-Dec-05 - 16-Mar-06
Total: 143,000 THB

2nd Lead Regional Session: CSR-Strategy for Environment Management

Coordinator: Mr. Voravate Chonlasin
Sponsor: LEAD
Duration: 1-Nov-05 - 31-Jan-06
Total: 963,300 THB

Natural Resources and Environmental Planning and Management

Coordinator: Ms. Worawan Sumroentrum
Sponsor: National Capacity Development Project - Danida in Cambodia
Duration: 20-Nov-05 - 28-Feb-06
Total: 400,000 THB

Social/Community Forestry and Natural Resources Management

Coordinator: Ms. Worawan Sumroentrum
Sponsor: Asian Development Bank (ADB)
Duration: 14-Nov-05 - 28-Feb-06
Total: 673,000 THB

Rural Agribusiness Development and Extension Techniques

Coordinator: Mr. Wichit Silpamaneephan
Sponsor: Palli Karma Sahayak Foundation, Bangladesh
Duration: 14-Nov-05 - 02-Mar-06
Total: 1,120,160 THB

Water Environment Monitoring and Management Using GIS and Remote Sensing Technology

Coordinator: Dr. Sahdev Singh
Sponsor: Environmental Monitoring Information Network, CIDA
Duration: 28-Nov-05 - 01-Jan-06
Total: 518,400 THB

Development and Production of Learning Packages

Coordinator: Mr. Reynaldo Calabdan
Sponsor: NIV (Malaysia), PKSF & LGED (Bangladesh), GTZ (Pakistan)
Duration: 19-Sep-05 - 30-Jan-06
Total: 1,063,200 THB

Management / Administration for Senior Sri Lankan University Officials

Coordinator: Mr. Reynaldo Calabdan
Sponsor: IRQUE Project, Ministry of Education, Sri Lanka
Duration: 17-Oct-05 - 30-Jan-06
Total: 1,408,000 THB

Professional Development Course on Training of Trainers

Coordinator: Mr. Reynaldo Calabdan
Sponsor: Governments of India & Malaysia, CAMPE (Bangladesh), GTZ, University of Kelaniya (Sri Lanka)
Duration: 17-Oct-05 - 15-Jan-06
Total: 844,800 THB

Financial Management for Senior Sri Lankan University Officials

Coordinator: Mr. Reynaldo Calabdan
Sponsor: IRQUE Project, Ministry of Education, Sri Lanka
Duration: 31-Oct-05 - 28-Feb-06
Total: 1,408,000 THB

Effective Training Implementation and Management

Coordinator: Mr. Reynaldo Calabdan
Sponsor: LGED, UNICEF, Multi-sponsors from Malaysia & Pakistan
Duration: 21-Nov-05 - 30-Mar-06
Total: 1,760,320 THB

Educational Information System Management

Coordinator: Mr. Fazle Karim
Sponsor: Multi-donors
Duration: 5-Dec-05 - 05-Mar-06
Total: 476,000 THB

E-business Development for SME Support Agencies in the Greater Mekong Subregion

Coordinator: Ms. Kanlaya Muangsan
Sponsor: UNESCAP
Duration: 7-Nov-05 - 25-Feb-06
Total: 920,000 THB

Information Technology Management

Coordinator: Mr. Fazle Karim
Sponsor: Multi-donors
Duration: 5-Dec-05 - 05-Mar-06
Total: 368,320 THB

Effective Rural Leadership

Coordinator: Ms. Sorat Phutthaphithak, Ms. Khin Ma Ma Gyi
Sponsor: Asian Development Bank
Duration: 18-Oct-04 - 29-Oct-06
Total: 1,724,320 THB

Public Relations for Organizational Success

Coordinator: Mr. Anil Gopal Rajbhandari
Sponsor: Bhutan National Bank
Duration: 3-Oct-05 - 1-Jan-06
Total: 162,400 THB

Management and Implementation of Development Project

Coordinator: Mr. Anil Gopal Rajbhandari
Sponsor: Multi-donors
Duration: 24-Oct-05 - 11-Feb-06
Total: 1,477,200 THB

Project Management - Maldives

Coordinator: Dr. Pradeep Kumar Dash
Sponsor: Multi-donors
Duration: 7-Nov-05 - 30-Jan-06
Total: 1,160,160 THB

Project Monitoring and Evaluation

Coordinator: Mr. Anil Gopal Rajbhandari
Sponsor: Multi-donors
Duration: 7-Nov-05 - 25-Feb-06
Total: 1,035,200 THB

Effective and Accountable Government by Improving Organizational Effectiveness

Coordinator: Ms. Khin Ma Ma Gyi
Sponsor: Ministry of Education, Malaysia
Duration: 14-Nov-05 - 31-Jan-06
Total: 529,920 THB

Business Leadership in an Uncertain Environment

Coordinator: Mr. Tanuj Kumar Halder
Sponsor: Commercial Bank of Ceylon, Sri Lanka
Duration: 5-Dec-05 - 28-Feb-06
Total: 450,000 THB

Supervisory Skills Development Training for WFP Staff

Coordinator: Mr. Anil Gopal Rajbhandari
Sponsor: Multi-donors
Duration: 28-Nov-05 - 28-Dec-06
Total: 1,042,400 THB

Workshop on Needs Verification and Planning

Coordinator: Dr. Jonathan Shaw
Sponsor: National Center for Educational Development / Education Secondary Advisory Team
Duration: 3-Apr-06 - 05-Sep-06
Total: 387,504 THB

SCCC Training Center Project

Coordinator: Mr. Voravate Chonlasin
Sponsor: Siam City Cement Public Co., Ltd., Thailand
Duration: 1-Mar-06 - 31-Oct-06
Total: 1,037,900 THB

Training Course on Intellectual Property Management

Coordinator: Mr. Reynaldo Calabdan
Sponsor: Multi-Sponsors
Duration: 25-Sep-06 - 07-Oct-06
Total: 520,405 THB

Rural Agribusiness Development and Management

Coordinator: Mr. Wichit Silpamaneephan
Sponsor: Danish International Development Agency (Danida)
Duration: 22-Feb-06 - 02-May-06
Total: 582,660 THB

Natural Resources and Environmental Planning and Management 2

Coordinator: Mr. Voravate Chonlasin
Sponsor: Ministry of Environment, Sri Lanka
Duration: 16-Jan-06 - 28-Apr-06
Total: 560,000 THB

Inland Aquaculture Development and Management

Coordinator: Mr. Wichit Silpamaneephan
Sponsor: University of Guam
Duration: 5-Jun-06 - 15-Sep-06
Total: 993,000 THB

Rural Poverty Alleviation

Coordinator: Mr. Wichit Silpamaneephan
Sponsor: DANIDA / Local Government Engineering Department, Bangladesh
Duration: 3-Jul-06 - 13-Sep-06
Total: 875,520 THB

Small-scale Livestock Development and Management

Coordinator: Mr. Wichit Silpamaneephan
Sponsor: Palli Karma-Sahayuk Foundation, Bangladesh
Duration: 12-Jul-06 - 20-Oct-06
Total: 669,864 THB

Workshop on Advocacy & Inter-regional Cooperation for ICT/ICM in ARD

Coordinator: Mrs. Niramol Ponvilai
Sponsor: Asia-Pacific Association of Agricultural Research Institutions / Global Forum on Agricultural Research
Duration: 3-Jul-06 - 01-Nov-06
Total: 171,750 THB

Public Health Policy, Planning and Financial Administration

Coordinator: Ms. Worawan Sumroetrum
Sponsor: Training Technology Transfer, Bangladesh
Duration: 23-Jul-06 - 30-Nov-06
Total: 569,800 THB

Gender and Development

Coordinator: Ms. Sirinthip Pongsuvainai
Sponsor: LGED/DANIDA
Duration: 11-Sep-06 - 22-Sep-06
Total: 399,600 THB

Urban Poverty Alleviation

Coordinator: Ms. Worawan Sumroetrum
Sponsor: GTZ- Nepal
Duration: 23-Oct-06 - 31-Jan-07
Total: 532,800 THB

Water Environment Monitoring and Management Using Remote Sensing and GIS Technology

Coordinator: Ms. Sirinthip Pongsuvainai
Sponsor: CIDA EMIN, CEGIS
Duration: 5-Jun-06 - 30-Aug-06
Total: 552,300 THB

Gender and Development

Coordinator: Ms. Worawan Sumroetrum
Sponsor: Northeast Community Restoration and Development Project (NECORD), Sri Lanka
Duration: 13-Feb-06 - 31-Jul-06
Total: 813,600 THB

3rd SCSV Program on Environment and Natural Resources Planning and Management

Coordinator: Mr. Voravate Chonlasin
 Sponsor: Ministry of Environment, Sri Lanka
 Duration: 24-Apr-06 - 05-Aug-06
 Total: 600,400 THB

Training of Trainers on Urban Environmental Infrastructure and Services

Coordinator: Mr. Voravate Chonlasin
 Sponsor: SEA-UEMA / CIDA Project
 Duration: 15-May-06 - 26-Jun-06
 Total: 660,000 THB

Rural Road Maintenance Management

Coordinator: Ms. Worawan Sumroetrum
 Sponsor: GTZ Bangladesh
 Duration: 7-Aug-06 - 30-Nov-06
 Total: 945,300 THB

Effective Energy Systems for Sustainable Development

Coordinator: Ms. Worawan Sumroetrum
 Sponsor: EBARA Corporation
 Duration: 21-Aug-06 - 30-Nov-06
 Total: 366,300 THB

Community Based Disaster Management

Coordinator: Mr. Voravate Chonlasin
 Sponsor: World Food Program, Sri Lanka
 Duration: 16-Oct-06 - 11-Dec-06
 Total: 704,850 THB

Management of Modern Biotechnology

Coordinator: Ms. Worawan Sumroetrum
 Sponsor: Multi-Sponsors
 Duration: 9-Oct-06 - 30-Dec-06
 Total: 392,200 THB

Toxic & Hazardous Waste Management

Coordinator: Mr. Voravate Chonlasin
 Sponsor: BEPZA Bangladesh
 Duration: 23-Oct-06 - 22-Dec-06
 Total: 462,500 THB

FTN Training on Agrobiodiversity, Agbiotechnology and Food Security for Civil Society Groups in Asia

Coordinator: Mrs. Niramol Ponvilai
 Sponsor: Gene Campaign
 Duration: 06-Nov-06 - 29-Nov-06
 Total: 262,836 THB

Information Technology Application in Project Management

Coordinator: Mr. Fazle Karim
 Sponsor: Multi-donors
 Duration: 15-Mar-06 - 04-Jul-06
 Total: 838,500 THB

Development of Database for Statistical Data Management

Coordinator: Mr. Fazle Karim
 Sponsor: FAO
 Duration: 27-Feb-06 - 25-Jun-06
 Total: 236,000 THB

Web Page Development and Communications Development

Coordinator: Mr. Fazle Karim
 Sponsor: DANIDA
 Duration: 29-Mar-06 - 04-Jul-06
 Total: 285,000 THB

Professional Development Course on Management of Training Center

Coordinator: Mr. Reynaldo Calabdan, Ms. Kanlaya Muangsan
 Sponsor: BPATC, CIBD, Metta Development Foundation, Multiple Cropping Center
 Duration: 24-Apr-06 - 12-Aug-06
 Total: 595,000 THB

5th Fredskorpset Preparatory Course in Asia

Coordinator: Mr. Reynaldo Calabdan, Ms. Kanlaya Muangsan
 Sponsor: Fredskorpset, Norway
 Duration: 24-Apr-06 - 12-Aug-06
 Total: 2,040,100 THB

International Management Training Course

Coordinator: Mr. Reynaldo Calabdan, Ms. Kanlaya Muangsan
 Sponsor: Secondary Education Sector Improvement Project, Bangladesh
 Duration: 14-May-06 - 07-Sep-06
 Total: 2,064,440 THB

IT Applications in Management

Coordinator: Mrs. Thaniya Jirasathitpornpong, Mr. Fazle Karim
 Sponsor: IRQUE Project, Ministry of Education, Sri Lanka
 Duration: 5-Jun-06 - 16-Sep-06
 Total: 326,844 THB

Network Security

Coordinator: Mrs. Thaniya Jirasathitpornpong, Mr. Fazle Karim
 Sponsor: Multi-donors
 Duration: 22-May-06 - 09-Sep-06
 Total: 446,400 THB

Selected Advanced Tools for Oracle 9 Database Development and Administration

Coordinator: Mrs. Maria Socorro Fontanilla, Mr. Fazle Karim
 Sponsor: The Bank of Mongolia
 Duration: 29-May-06 - 30-Sep-06
 Total: 1,648,350 THB

Linux Essentials and Server Administration

Coordinator: Mrs. Maria Socorro Fontanilla, Mr. Fazle Karim
 Sponsor: Multi-donors
 Duration: 17-Jul-06 - 20-Nov-06
 Total: 740,000 THB

Implementing and Troubleshooting PC Networks

Coordinator: Mrs. Thaniya Jirasathitpornpong, Mr. Fazle Karim
 Sponsor: Multi-donors
 Duration: 17-Jul-06 - 30-Oct-06
 Total: 370,000 THB

Oracle Database Development and Administration

Coordinator: Mrs. Maria Socorro Fontanilla, Mr. Fazle Karim
 Sponsor: Multi-donors
 Duration: 21-Aug-06 - 08-Dec-06
 Total: 333,000 THB

ICT Applications in Management and Project Management

Coordinator: Mrs. Thaniya Jirasathitpornpong, Mr. Fazle Karim
 Sponsor: Multi-donors
 Duration: 4-Sep-06 - 22-Sep-06
 Total: 489,880 THB

Installation and Administration of Windows 2000/2003 Server

Coordinator: Mrs. Maria Socorro Fontanilla, Mr. Fazle Karim
 Sponsor: World Bank
 Duration: 18-Sep-06 - 31-Dec-06
 Total: 148,000 THB

6th Fredskorpset Preparatory Course in Asia

Coordinator: Mr. Reynaldo Calabdan, Ms. Kanlaya Muangsan
 Sponsor: Fredskorpset, Norway
 Duration: 22-Sep-06 - 31-Dec-06
 Total: 31-Dec-06 THB

Standardization of Power Purchase Pricing Policy for Small Hydro Power Producer in Nepal

Coordinator: Mr. Anil Rajbhandari
 Sponsor: Nepal Electricity Authority, Nepal
 Duration: 30-Jan-06 - 04-May-06
 Total: 384,000 THB

Logistics Management

Coordinator: Ms. Khin Ma Ma Gyi
 Sponsor: World Health Organization; Maldives Airport Co., Ltd.
 Duration: 30-Jan-06 - 10-May-06
 Total: 739,200 THB

Strategic Management of NGOs

Coordinator: Mr. Tanuj Kumar Halder
 Sponsor: Multi-donors
 Duration: 20-Feb-06 - 03-May-06
 Total: 480,000 THB

Effective Managerial Skills and Techniques

Coordinator: Dr. Pradeep Kumar Dash
 Sponsor: Commercial Bank of Ceylon, S.L.
 Duration: 20-Feb-06 - 30-Apr-06
 Total: 390,000 THB

Working Capital Management and Financial Restructuring

Coordinator: Mr. Anil Rajbhandari
 Sponsor: Nepal Electricity Authority, Nepal
 Duration: 27-Mar-06 - 07-Jul-06
 Total: 649,040 THB

Project Management

Coordinator: Dr. Pradeep Kumar Dash, Ms. Khin Ma Ma Gyi
 Sponsor: Multi-donors
 Duration: 24-Apr-06 - 19-Aug-06
 Total: 1,173,744 THB

Project Management (Bhutanese Group)

Coordinator: Ms. Khin Ma Ma Gyi
 Sponsor: Bhutan National Bank
 Duration: 24-Apr-06 - 05-Aug-06
 Total: 687,040 THB

Organizational Financial Planning and Cost Control

Coordinator: Ms. Purvi Chudasama
 Sponsor: Multi-donors
 Duration: 1-May-06 - 31-Jul-06
 Total: 1,560,660 THB

Marketing Strategies for Asia Today

Coordinator: Mr. Anil Rajbhandari
 Sponsor: Commercial Bank of Ceylon, Sri Lanka
 Duration: 20-May-06 - 27-Aug-06
 Total: 629,000 THB

Project Monitoring and Evaluation (Mongolian Group)

Coordinator: Ms. Khin Ma Ma Gyi
 Sponsor: SEDP Ministry of Education, Mongolia
 Duration: 29-May-06 - 30-Sep-06
 Total: 997,500 THB

Project Monitoring and Evaluation

Coordinator: Dr. Pradeep Kumar Dash, Ms. Purvi Chudasama
 Sponsor: Multi-donors
 Duration: 29-May-06 - 30-Sep-06
 Total: 1,201,464 THB

Good Governance

Coordinator: Mr. Anil Rajbhandari
 Sponsor: Office of the Prime Minister, Nepal
 Duration: 3-Jul-06 - 14-Oct-06
 Total: 540,800 THB

Planning and Administering Good Governance

Coordinator: Ms. Khin Ma Ma Gyi, Ms. Purvi Chudasama
 Sponsor: Multi-donors
 Duration: 4-Sep-06 - 31-Dec-06
 Total: 775,276 THB

Training Program on iEffective Management Skills and Techniquesi

Coordinator: Dr. Pradeep Kumar Dash
 Sponsor: Multi-donors
 Duration: 2-Oct-06 - 11-Dec-06
 Total: 866,466 THB

Leadership in Public Services

Coordinator: Mr. Anil Rajbhandari, Ms. Purvi Chudasama
 Sponsor: Ministry of Health, Maldives
 Duration: 9-Oct-06 - 11-Dec-06
 Total: 334,480 THB

Training Program on iHuman Resource Managementi

Coordinator: Dr. Pradeep K. Dash
 Sponsor: Multi-donors
 Duration: 6-Nov-06 - 17-Jan-07
 Total: 963,332 THB

Leading Change and Organizational Renewal

Coordinator: Ms. Khin Ma Ma Gyi
 Sponsor: Ministry of Health, Maldives
 Duration: 6-Nov-06 - 31-Jan-07
 Total: 343,878 THB

Ongoing projects

Convention on Bio Diversity Workshop

Coordinator: Mr. Voravate Chonlasin
 Sponsor: UNEP
 Duration: 9-Oct-06 - 30-Apr-07
 Total: 1,912,904 THB

IT Applications in Management

Coordinator: Mrs. Thaniya Jirasathitpornpong
 Sponsor: World Bank/IDA/GoB
 Duration: 6-Nov-06 - 28-Feb-07
 Total: 388,800 THB

Education Policy Formulation & Education Quality Assurance

Coordinator: Mr. Reynaldo A. Calabdan, Ms. Kanlaya Muangsan
 Sponsor: Multi-Sponsors
 Duration: 13-Nov-06 - 30-Mar-07
 Total: 486,587 THB

Effective Training Implementation and Management

Coordinator: Mr. Reynaldo A. Calabdan, Ms. Kanlaya Muangsan
 Sponsor: Multi-Sponsors
 Duration: 20-Nov-06 - 08-Mar-07
 Total: 2,499,313 THB

Supervisory Skills Development Training for WFP Staff (Batch Two)

Coordinator: Mr. Anil Rajbhandari
 Sponsor: World Food Program
 Duration: 15-May-06 - 28-Mar-07
 Total: 990,280 THB

Knowledge Management and Organizational Learning

Coordinator: Dr. Pradeep Kumar Dash
 Sponsor: Multi-donors
 Duration: 3-Jul-06 - 28-Feb-07
 Total: 880,600 THB

Management and Implementation of Development Project

Coordinator: Mr. Anil Rajbhandari
 Sponsor: Multi-donors
 Duration: 23-Oct-06 - 10-Feb-07
 Total: 1,565,100 THB

Management of Organizational Change

Coordinator: Mr. Wichit Silpamaneephan, Ms. Khin Ma Ma Gyi
 Sponsor: BEPZA Bangladesh
 Duration: 27-Nov-06 - 28-Feb-07
 Total: 370,872 THB

Modern Public Sector Management

Coordinator: Ms. Sorat Phutthaphithak, Mr. Anil Gopal Rajbhandari, Mrs. Thaniya Jirasathitpornpong
 Sponsor: Sri Lanka Institute of Development Administration
 Duration: 20-Nov-06 - 05-Feb-07
 Total: 1,018,082 THB

Other Units

Internet Education and Research Laboratory (IntERLab)

Completed projects

Advanced Network Security Training

Coordinator: Prof. Kanchana Kanchanasut
 Sponsor: Participants
 Duration: 1-Jan-06 - 31-May-06
 Total: 350,000 THB

VoIP and SIP Training

Coordinator: Prof. Kanchana Kanchanasut
 Sponsor: Participants
 Duration: 1-May-06 - 30-Jun-06
 Total: 250,000 THB

Basic Routing Training

Coordinator: Prof. Kanchana Kanchanasut
 Sponsor: Participants
 Duration: 1-Jun-06 - 31-Aug-06
 Total: 540,000 THB

Basic DNS Training

Coordinator: Prof. Kanchana Kanchanasut
 Sponsor: Participants
 Duration: 1-Aug-06 - 30-Nov-06
 Total: 315,660 THB

Advanced Routing Training

Coordinator: Prof. Kanchana Kanchanasut
 Sponsor: Participants
 Duration: 1-Aug-06 - 30-Nov-06
 Total: 325,000 THB

Ongoing projects

Vclass SIP-based Mobile Classroom

Coordinator: Prof. Kanchana Kanchanasut
 Sponsor: Asian Media Information and Communication Centre (AMIC), Singapore
 Duration: 1-Feb-06 - 31-Jan-08
 Total: 1,200,000 THB

TEIN2 Workshops in 2006 for HRD

Coordinator: Prof. Kanchana Kanchanasut
 Sponsor: DANTE
 Duration: 1-Apr-06 - 31-Mar-07
 Total: 2,055,000 THB

Multicast Workshop

Coordinator: Prof. Kanchana Kanchanasut
 Sponsor: Participants
 Duration: 1-Sep-06 - 1-Dec-06
 Total: 350,000 THB

DSSEC Workshop

Coordinator: Prof. Kanchana Kanchanasut
 Sponsor: Participants
 Duration: 6-Oct-06 - 1-Mar-07
 Total: 350,000 THB

Conferences/Seminars

School of Engineering and Technology

Completed projects

Design & Manufacturing Engineering and Industrial Engineering & Management

The International Conference on Micro/Nano Fabrication Technologies (ICM/NFT06) in Bangkok

Organizer: Assoc. Prof. Erik L.J. Bohez, Chair

Collaborator: Xpert Management Co., Ltd. Thailand

Sponsors: AIT; The University of Toledo/ PMMC, USA; American Society for Abrasive Technology, USA; Siamrak Co., Ltd., Thailand

Duration: 1-Aug-05 - 31-Jul-06
Total: 600,000 THB

The 7th Asia Pacific Industrial Engineering & Management Systems Conference, and The 9th Asia Pacific Division Meeting of the International Foundation for Production Research in Thailand

Organizer: Dr. Voratas Kachitvichyanukul, Chair
Sponsors: NSTDA; MTEC; Commission of Higher Education-Thailand; EMP-Kasetsart Univ.; Center for Logistics Management-Mahidol Univ.; Thai Airways Int. Public Co., Ltd.; The Bangchak Petroleum Public Co., Ltd.; Toyota Motor Thailand Co., Ltd.; Thai Acrylic Fibre Co., Ltd.-Thailand
Duration: 17-20-Dec-06
Total: 3,000,000 THB

Water Engineering and Management

12th Congress of the Asia and Pacific Division of IAHR

Organizer: Prof. Ashim Das Gupta
Sponsor: International Association of Hydraulic Engineering and Research
Duration: 13-Nov-99 - 30-Jun-06
Total: 2,579,383 THB

Ongoing projects

Construction, Engineering & Infrastructure Management **Seminar on Dispute Prevention and Resolution on Mega Construction Projects**

Coordinator: Prof. Stephen O. Ogunlana
Sponsor: Warner/PPP
Duration: 1-Oct-06 - 30-Sep-07
Total: 418,689.70 THB

Water Engineering and Management

MTERM International Conference

Organizer: Dr. Mukand Singh Babel, Prof. Ashim Das Gupta
Sponsor: Participants
Duration: 1-Jan-05 - 31-Dec-07
Total: 1,000,000 THB

School of Environment, Resources and Development

Ongoing projects

Food Engineering and Bioprocess Technology

International Conference on Innovations in Food and Bioprocess Technologies

Organizer: Prof. Sudip Kumar Rakshit and Dr. Binod Yadav
Sponsor: Participants
Duration: 1-Jun-06 - 31-Jul-07
Total: 570,000 THB

School of Management

Ongoing projects

The 6th Global Conference on Flexible Systems Management 2006

Organizer: Prof. Himangshu Paul
Sponsor: Participants
Duration: 1-Dec-06 - 31-Mar-07
Total: 231,515 THB

The 12th Asia Pacific Management Conference 2006

Organizer: Prof. Nazul Islam
Sponsor: Participants
Duration: 1-Oct-06 - 28-Feb-07
Total: 693,750 THB

AIT Extension

Completed projects

Seminar and Study Visit for Management Information System and IT

Coordinator: Mrs. Thaniya Jirasathitpornpong, Mr. Fazle Karim
Sponsor: Technology Transfer Training, Bangladesh
Duration: 6-Aug-06 - 30-Nov-06
Total: 251,000 THB

Seminar cum Study Visit on Mangrove Management in Thailand

Coordinator: Dr. Sahdev Singh, Mrs. Niramol Ponvilai
Sponsor: UN Industrial Development Organization
Duration: 1-Sep-06 - 09-Sep-06
Total: 370,000 THB

Ongoing projects

Seminar and Study Visit for Public Administration Capacity Building (Batch 1)

Coordinator: Mr. Fazle Karim
Sponsor: Bangladesh Public Administration Training Centre, Government of Bangladesh
Duration: 22-Apr-06 - 31-Jan-07
Total: 2,017,800 THB

Other Units

Internet Education and Research Laboratory (IntERLab)

Completed projects

Asian Internet Engineering Conference (AINTEC) 2005

Organizer: Prof. Kanchana Kanchanasut
Sponsor: Multi-donors
Duration: 1-Dec-05 - 31-Mar-06
Total: 1,360,000 THB

Ongoing projects

Asian Internet Engineering Conference (AINTEC) 2006

Organizer: Prof. Kanchana Kanchanasut
Sponsor: Multi-donors
Duration: 1-Sep-06 - 31-May-07
Total: 800,000 THB

Other Projects

(Capacity Building, Development, Study Visits, Networking, Student Exchange, etc...)

School of Engineering and Technology

Completed projects

Remote Sensing & Geographic Information Systems

JST, Japan Science and Technology
Coordinator: Dr. Lal Samarakoon
Sponsor: Japan Science and Technology, Japan
Duration: 1-Jan-05 - 31-Mar-06
Total: 2,242,000 THB

Ongoing projects

Computer Science and Information Management

Database Systems for Advanced Applications

Coordinator: Prof. Vilas Wuwongse
Sponsor: Participants
Duration: 1-Dec-06 - 31-May-07
Total: 1,700,000 THB

Construction, Engineering & Infrastructure Management

EU-Asia Network of Competence Enhancement on Public-Private Partnerships (PPPs) in Infrastructure Development

Coordinator: Prof. Stephen O. Ogunlana
Sponsor: The European Union
Duration: Apr-04 - Apr-07
Total: Euro 400,000

Mechatronics and Microelectronics

Nanotechnology Center of Excellence (CoEN)

Coordinator: Dr. Joydeep Dutta
Sponsor: NANOTEC, NSTDA & Royal Thai Government - AIT
Duration: May-06 - 2010
Total: 25,000,000 THB

Remote Sensing & Geographic Information Systems

Digital Asian Network 2006-2009

Coordinator: Dr. Lal Samarakoon
Sponsor: Keio Research Institute at SFC, Keio University, Japan
Duration: 1-Mar-06 - 31-Mar-09
Total: 362,835 THB

Japan Science and Technology 2006-2007

Coordinator: Dr. Lal Samarakoon
Sponsor: Japan Science and Technology Agency
Duration: 1-Apr-06 - 31-Mar-07
Total: 831,750 THB

Strengthening Capacity on Multi-Hazard Risk Assessment in Tsunami

Coordinator: Dr. Manzul Hazarika
Sponsor: USAID
Duration: 15-Aug-06 - 1-Aug-07
Total: 3,604,702 THB

Structural Engineering

Reconstruction and Development in the Tsunami-Hit Phangnga Province

Coordinator: Mr. Gyanendra R. Sthapit/
Habitech Center
Sponsor: European Commission
Duration: 1-Dec-05 - 31-Dec-08
Total: 3,021,700 THB

Transportation Engineering

Thailand Accident Research Center

Coordinator: Dr. Kunnawee Kanitpong
Sponsor: Department of Highways, Thailand
Duration: 1-Jul-05 - 30-Jun-07
Total: 14,000,000 THB

Water Engineering and Management

UN Water Virtual Learning Center (WVLC)

Coordinator: Dr. Mukand Singh Babel,
Prof. Ashim Das Gupta, Dr. Roberto Clemente, Dr. Nowarat Coowanitwong,
Dr. Kou Ikejima
Duration: 2005-2007

School of Environment, Resources and Development

Completed projects

Aquaculture and Aquatic Resources Management

Development of Pre-bridging Program and Mentoring Program for Lao PDR, Cambodia and Vietnam Students to Enter Flexible Masters Program at AIT

Coordinator: Dr. Amararatne Yakupitiyage
Sponsor: Swedish International Development Cooperation Agency, Sweden
Duration: 1-Feb-06 - 01-May-06
Total: 678,400 THB

Study Tour for Shrimp Farming Aquaculture

Coordinator: Dr. Yang Yi
Sponsor: Research Institute for Aquaculture, Vietnam
Duration: 11-Nov-06 - 17-Nov-06
Total: 72,324 THB

Energy

Setting up of National Association for Cogeneration and Distributed System in ASEAN (EC-ASEAN Energy Facility)

Coordinator: Dr. Weerakorn Ongsakul,
Dr. Mithulananthan Nadarajah
Sponsor: EC-ASEAN Energy Facility (EAFF)
Duration: 1-Jan-05 - 31-Jan-06
Total: 7,875,844 THB

Capacity Building in Formulating Harmonized Policy Instruments for the Promotion of Renewable Energy (RE) and Energy Efficiency (EE) in the ASEAN Member Countries

Coordinator: Dr. Mithulananthan Nadarajah, Dr. Weerakorn Ongsakul
Sponsor: EC-ASEAN Energy Facility (EAFF)
Duration: 12-Jan-05 - 31-May-06
Total: 7,969,800 THB

Center for Sustainable Urban Regeneration, The University of Tokyo, Japan

Coordinator: Dr. Toshiya Aramaki
Sponsor: University of Tokyo, Japan
Duration: 1-Feb-06 - 30-Apr-06
Total: 280,000 THB

Environmental Engineering and Management

Development of Teaching and Training Modules for Higher Education in Waste Management Sector (TETRAWAMA)

Coordinator: Prof. C. Visvanathan
Sponsor: European Commission
Duration: Apr-03 - Sep-06
Total: 1,374,912 THB

Natural Resources Management

MSU Study Abroad Program IV

Coordinator: Prof. Ganesh P. Shivakoti and Dr. Sopath Pongquan
Sponsor: Michigan State University, USA
Duration: 1-Jan-05 - 31-Dec-06
Total: 2,051,980 THB

Urban Environmental Management

UMP (Urban Management Programme)-AIT Partnership

Coordinator: Dr. Ranjith Perera and Dr. Barbara Earth
Sponsor: United Nations Human Settlements Programme (UN HABITAT)
Duration: 15-Sep-02 - 31-Dec-06
Total: 10,911,198 THB

UEM - GENDEV Collaboration

Coordinator: Dr. Ranjith Perera and Dr. Barbara Earth
Sponsor: United Nations Human Settlements Programme (UN HABITAT)
Duration: 25-Sep-00 - 31-Dec-06
Total: 9,374,102 THB

<i>Ongoing projects</i>

Aquaculture and Aquatic Resources Management

Capacity building of small-scale shrimp farmers on adaptation of best management practices (BMPs) to promote Thai Shrimp export to the EU.

Coordinator: Dr. Dharendra Prasad Thakur
Sponsor: European Commission
Duration: 1-Sep-06 - 31-Jan-08
Total: 8,034,639 THB

Capacity Building of Coastal Communities on Coastal Mitigation

Coordinator: Dr. Wenresti G. Gallardo, Dr. Animesh Dutta, Dr. Kou Ikejima, Dr. Mokbul Morshed Ahmad, Prof. Dennes T. Bergado
Sponsor: USAID
Duration: 1-Nov-06 - 30-Apr-07

Resources Management in Cambodia, Nepal and Vietnam

Coordinator: Dr. Amrit N. Bart
Co-coordinator: Dr. Ram Bhujel
Sponsor: Asia-Link, European Union
Duration: 1-Sep-05 - 31-Aug-08
Total: 14,425,150 THB

Development of Marine and Coastal Resources Database in Thailand

Coordinator: Dr. Kou Ikejima
Sponsor: UNEP ROAP
Duration: 20-Aug-05 - Jun-07
Total: 2,460,000 THB

Post-Tsunami Sustainable Coastal Livelihoods Program

Coordinator: Dr. Amrit N. Bart
Sponsor: US Agency for International Development (USAID)
Duration: Mar-05 - Mar-08
Total: 12,760,605

AIT-Coca Cola for Sustainable Coastal Livelihoods Project in Ranong

Coordinator: Dr. Amrit N. Bart
Sponsor: Coca Cola (Thailand) Ltd.
Duration: 1-Oct-05 - 31-Mar-08
Total: 8,000,000 THB

Energy**Targeted Capacity Development on CDM (TCD - CDM) in Thailand**

Coordinator: Prof. Ram M. Shrestha, Prof. Sivanappan Kumar
Sponsor: UNEP Risoe Centre (URC)
Duration: 15-Apr-06 - 30-Jan-07
Total: 2,452,450 THB

Networking with Norwegian and Regional Institutions in Energy Issues (South-South-North Networking): 2006-2009

Coordinator: Dr. Mithulananthan Nadarajah, Prof. Ram Shrestha, Dr. Animesh Dutta
Sponsor: Norwegian Ministry of Foreign Affairs
Duration: 1-Aug-06 - 31-Dec-09
Total: 4,140,000 THB

Transfer of EU Knowledge and Technology for Development of Wind Energy Tech. in Thailand

Coordinator: Dr. Mithulananthan Nadarajah, Dr. Weerakorn Ongsakul, Dr. Animesh Dutta
Sponsor: EU Thailand Economic Cooperation SPF
Duration: 1-Jan-06 - 28-Feb-07
Total: 6,575,000 THB

Strategic Database of Energy and Air Pollution in ASEAN and South Asian Countries

Coordinator: Prof. Ram M. Shrestha
Sponsor: Mizuho Information and Research Institution, Inc., Japan
Duration: 13-Nov-06 - 28-Feb-08
Total: 1,950,000 THB

Environmental Engineering and Management**Asian Regional Research Programme on Environmental Technology Phase II (ARRPET Phase II)**

Coordinator: Prof. Ajit Annachatre
Sponsor: Sida
Duration: 1-Jan-04 - 31-Dec-07

3R Knowledge Hub

Coordinator: Prof. C. Visvanathan
Sponsor: Asian Development Bank
Duration: 10-Oct-06 - 09-Oct-08
Total: 4,500,000 THB

Quality Assurance for the Curriculum and Course Materials for the Major Courses of Undergraduate Environmental Science (RUPP)

Coordinator: Dr. Thammarat Koottatep
Sponsor: Royal Danish Embassy
Duration: 1-Apr-03 - 31-Mar-07
Total: 2,297,400 THB

Development of an International Long Distance Internet Based Masters Course on Environmental Technology and Management

Coordinator: Prof. C. Visvanathan
Sponsor: Asia-Link; European Commission
Duration: Apr-03 - 31-May-07
Total: 2,621,843 THB

National Center of Competence in Research North-South: WP3: Health and Environmental Sanitation

Coordinator: Dr. Thammarat Koottatep
Sponsor: EAWAG, Switzerland
Duration: Sept-02 - Dec-09
Total: 14,668,452.64 THB

Quality Assurance for the Curriculum and Course Materials for the Major Courses of Undergraduate Environmental Science (RUPP)

Coordinator: Dr. Thammarat Koottatep
Sponsor: Royal Danish Embassy
Duration: 1-Apr-03 - 31-Mar-07
Total: 2,297,400 THB

Swedish Resource Persons under ARPET II

Coordinator: Prof. Ajit P. Annachatre
Sponsor: Sida
Duration: 1-Jan-04 - 30-Jun-08
Total: SEK 681,000

Gender and Development Studies**NORAD-Gender and Development Studies 2006-2009**

Coordinator: Dr. Bernadette Resurreccion
Sponsor: NORAD
Duration: 1-Jan-06 - 31-Dec-09
Total: 20,781,377 THB

Post-Graduate Education: Gender and Social Analysis in Environment & Development

Coordinator: Dr. Bernadette Resurreccion
Sponsor: IDRC
Duration: 2005-2008
Total: 8,406,177 THB

IDRC Publication on Gender and Natural Resources Management in Asia

Coordinator: Dr. Bernadette Resurreccion
Sponsor: IDRC
Duration: 2005-2007
Total: 372,520 THB

Natural Resources Management**AIT Support to National University of Laos**

Coordinator: Dr. Dietrich Schmidt-Vogt
Sponsor: SIDA-Swedish Research Council
Duration: 1-Sep-06 - 30-Jun-07
Total: 2,012,000 THB

Regional and Rural Development Planning**AIT-Norwegian Institution Networking**

Coordinator: Prof. Jayant Routray
Sponsor: The Norwegian Ministry of Foreign Affairs
Duration: 1-Jan-06 - 31-Dec-09
Total: 12,178,388 THB

Other Projects

Urban Environmental Management

Southeast Asia Urban Environmental Management Applications (SEA-UEMA) Project

Coordinator: Prof. A.T.M. Nurul Amin, Dr. Nowarat Coowanitwong, Dr. Kyoko Kusakabe, Dr. Vilas Nitivattananon, Dr. Edsel Sajor
 Sponsor: Canadian International Development Agency (CIDA)
 Duration: Nov-03 - Nov-08
 Total: CAD\$ 9,479,839

School of Management

Completed projects

Ansell Leadership Development Program 2005 - 06

Coordinator: Dr. Singha Chiamsiri, Dr. Sundar Venkatesh
 Sponsor: Ansell Ltd., Australia
 Duration: 1-Sept-05 - 30-Nov-06
 Total: 4,092,090 THB

Ongoing projects

Technopreneur Development Program 2006

Coordinator: Dr. Barbara Igel
 Sponsor: NECTEC, Thailand
 Duration: 11-Mar-06 - 30-Jun-07
 Total: 1,050,000 THB

2nd Swiss EMBA Programme Study Trip

Coordinator: Prof. John Tang
 Sponsor: University of Applied Sciences (HTW, Churs) Switzerland
 Duration: 15-Dec-06 - 15-Feb-07
 Total: 864,000 THB

DBA Program in Sri Lanka 2006

Coordinator: Prof. I.M. Pandey
 Sponsor: Participants
 Duration: 31-Oct-06 - 31-Dec-09
 Total: 11,988,000 THB

DBA Program in Bangkok 2006

Coordinator: Prof. I.M. Pandey
 Sponsor: Participants
 Duration: 31-Oct-06 - 31-Dec-09
 Total: 15,552,000 THB

MTEC Management Development Program (MTEC MDP)

Coordinator: Dr. Singha Chiamsiri
 Sponsor: National Metal and Materials Technology Center (MTEC), NSTDA
 Duration: 1-Dec-06 - 31-Aug-07
 Total: 2,000,000 THB

Ansell Leadership Development Program 2006-07

Coordinator: Dr. Sundar Venkatesh
 Sponsor: Ansell Limited, Australia
 Duration: 1-Oct-06 - 30-Sep-07
 Total: 3,948,000 THB

Other Units

Internet Education and Research Laboratory (IntERLab)

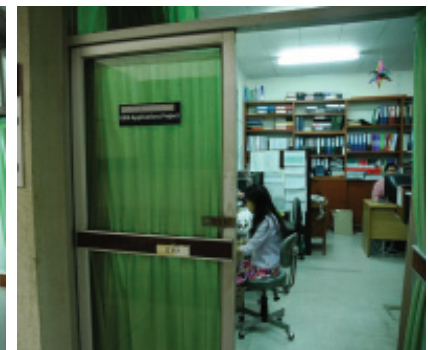
Ongoing projects

APNG Secretariat

Coordinator: Prof. Kanchana Kanchanasut
 Sponsor: Asia Pacific Networking Group
 Duration: 1-Dec-06 - 30-Nov-07
 Total: 600,000 THB



The AIT-Hannover University Greenhouse Project



CIDA-AIT agreement on urban environmental management made in the form of Southeast Asia Urban Environmental Management Applications (SEA-UEMA) Project, aims to improve the Urban Environmental Management (UEM) policies and good practices in the region.



AIT's Habitech Center assisted in EU-ASIA PRO ECO II B post-tsunami reconstruction work in Baan Nam Khem Village, Phangnga Province.

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Minister of Science and Technology, Thailand
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— Collaborations and Partnerships —

AIT has steadily evolved since its inception as the SEATO Graduate School of Engineering in 1959 and has earned a reputation for high quality teaching, research and outreach activities. The Institute's academic programs, leading to master's or doctoral degrees, diplomas or certificates, are offered in response to the needs of the countries in the region. They are interdisciplinary so that engineering subjects are supplemented with their applications in the economic and social context.

The needs of Asian countries for higher education in engineering, technology and management focusing on environment, gender equality and sustainable development, continue to be high. This demand outpaces the capacity of the Institute to help in the human resource development and capacity building of the region. To meet this demand, AIT enters into cooperation or partnership agreements with governments, their national-level agencies, state universities and research institutions, international funding organizations, foundations as well as the private sector. In addition, the Institute continues to develop and foster academic and research links with Asian, European and American institutions for student and faculty exchange programs.

Africa

The AIT-Africa Initiative Task Force is working on the preparation of a forum titled *Asia-Africa Initiative for Higher Learning in Science and Technology for Development* in close collaboration with UNESCAP. The forum is scheduled for early 2008. The objective of the forum is to discuss about how Asia and Africa can work together to contribute to sustainable development with the help of higher learning in science and technology. The forum will provide a platform where stakeholders, policy makers, donor partners and academic & research institutions like AIT can work together to meet the objectives.

Australia

The Australian government's official multi-lateral program at AIT, inclusive of scholarships for Asian students, ended in the early 1990s. However, AIT continues to promote cooperation with Australian institutions through agreements on academic and student exchanges, dual-degree and joint-teaching programs as well as collaboration on research.

Currently, the following collaborative programs are under process:

- University of Wollongong, for a dual-degree program in Environmental Engineering under the existing MoU.
- Royal Melbourne Institute of Technology, for a dual-degree program in Food Engineering and Bioprocess Technology under the existing MoU.
- Deakin University, for dual-degree programs in Water Engineering and Management under the existing MoU.

Austria

AIT and Austria had signed several scholarship agreements since the early 1990s for the support of Asian nationals to study at AIT, particularly Bhutanese students nominated by the Royal Civil Service Commission (RCSC) of Bhutan.

Recently, the Austrian Development Agency (ADA), Vienna and AIT signed an agreement for academic cooperation (2006 to 2009). Under this cooperation, ADA will provide 20 full master's scholarships for candidates from Bhutan, Afghanistan and Nepal in

order to help in the development of human resources in these countries. At the end of 2009, ADA and AIT will sign another agreement for 10 full master's scholarships covering a period of two more years.

Bangladesh

AIT's partnership with Bangladesh is implemented through MoUs on international cooperation in education and research for institutional capacity building. These MoUs are with the Ministry of Science, Information and Communication Technology, and institutions such as the American International University, Chittagong and the International Islamic University, Bangladesh. Besides the few AIT administered scholarships, majority of Bangladeshi master's and doctoral students are supported with scholarships through grants from the World Bank, Denmark, and the Asian Development Bank to government agencies/universities.

In order to attract self-supported and/or externally funded students, AIT intends to speed up promotion activities in Bangladesh through visits to prominent private universities in Bangladesh through, education consultancy agencies, and student recruitment agents in Bangladesh.

Belgium

Although official Belgian multi-lateral assistance program at AIT has ended, Belgium has actively been providing bilateral grants to its program countries in the Greater Mekong Subregion. Through its bilateral project in Vietnam, five Vietnamese scholars are funded under the two-stage master's program conducted at AIT Center in Vietnam and at AIT.

Bhutan

AIT has entered into a fellowship agreement with the Royal Civil Service Commission of Bhutan for Bhutanese students to be funded jointly by Bhutan and AIT fellowships. In addition to those Bhutanese students funded by the Austrian Government scholarships, Bhutanese scholars are also supported by the Bhutanese government or state agencies such as the Department of Roads and Chukka Hydropower Corporation.

Brunei

Initiatives are on to formalize partnership with the University of Brunei Darussalam (UBD), Brunei. The Vice President for External Relations is scheduled to visit UBD in February 2007. Potential areas in which there could be collaboration with UBD are: faculty development for UBD's Department of Computer Science; joint master's and Ph.D. programs in petroleum geoscience; and AIT assisting in the establishment of a new Faculty of Engineering at UBD.

Cambodia

AIT has entered into several agreements with donor governments for human resource development of the Cambodian government and universities. There have been provisions of AIT administered scholarships to qualified Cambodian candidates nominated by the different ministries. A new MoU being explored with the Ministry of Education, Youth and Sports seeks third party funding for master's and doctoral degree students from Cambodia. AIT also helped the Royal University of Phnom Penh in academic curriculum development and an AIT faculty was stationed in Cambodia for a certain period.

Canada

The five year partnership program (2003-2008) between AIT and the Canadian International Development Agency (CIDA) is implemented through the Southeast Asia Urban Environmental Management Applications (SEA-UEMA) Project, UEM Field of Study, SERD. Under the graduate education component of the project, it provides master's and doctoral scholarships in the field of Urban Environmental Management for students from Southeast Asian countries, namely, Cambodia, Lao PDR, Indonesia, the Philippines, Thailand, Timor-Leste, and Vietnam. The application components of the project include alumni demonstration projects, joint action research, sub-sector networks and professional support program, and application of research results and lessons learned.

AIT also has several academic exchange programs with Canadian universities that provide Canadian students opportunity to undergo special study or research in Asia through AIT.

Central Asia

Central Asia is an emerging market. A Central Asia task force in coordination with regional experts from the United Nations Environmental Programme - Regional Resource Center for Asia and Pacific has been formed. The President attended a meeting on the Interstate Sustainable Development Commission for Central Asia in Turkmenistan in March 2006, during which AIT was officially listed by the participating governments as a collaborative partner.

H.E. Dr. Arystanbek Davletkeldiev, Director of State Agency for Environment Protection and Forestry,

Kyrgyz Republic, accompanied by senior officials from Republic of Kazakhstan and Republic of Tajikistan visited AIT. In addition, Mr. Asadjon Khodjaev, Deputy Director General of Communication and Information Agency of Uzbekistan and his delegation also visited AIT.

AIT was represented by intERLab at the National ICT Summit in Tashkent, Uzbekistan held from 25 to 26 September 2006. It is the first step of establishing the collaboration between Central Asia partners and ICT experts at AIT.

China

New initiatives are under way to promote AIT and to recruit students from China. The possibility of appointing student recruitment agencies is being explored. AIT has established contacts with the Dongfang International Center for Education Exchange, Beijing. The Center is part of the China Scholarship Council, which is a nonprofit institution under the Ministry of Education. The Council administers financial support for Chinese students going abroad to study and foreigners coming to study in China.

AIT's formal partnership program with China is implemented through an MoU between AIT and the Department of International Cooperation and Exchange, Ministry of Education of China for master's or doctoral degree scholarships at AIT for Chinese students nominated by the China Scholarships Council. Several MoUs have been successively signed since 1993, and the next MOU will cover the period 2007-2009 under which 10 doctoral degree scholarships are expected to be offered.

A delegation comprising of the President, Vice President for External Relations and few faculty members will visit China for promotional activities.

AIT also entered into several agreements on academic cooperation and exchanges with a number of reputed Chinese universities and institutions such as Wuhan University, Heilongjiang Bureau of Surveying and Mapping, Kunming University of Science and Technology, Chinese Academy of Engineering, Tongji University and the Chinese Academy of Surveying and Mapping.

Denmark

The Danish multi-lateral support for scholarships program at AIT for students ended in 2004. Thirteen doctoral students who were offered Danish scholarships during the agreement period are continuing their studies with the last batch expected to graduate in December 2007. The objective of the Danish support was to impart and improve the technical and managerial skills of Asians, enabling them to play key roles in guiding an accelerated yet sustainable development process in the region.

AIT continued to seek partnerships with the Danida program countries in Asia through their bilateral cooperation. Notable among these bilateral programs is the WaterSPS project based at the Water Resources University (WRU) in Hanoi. Vietnamese staff and faculty working at WaterSPS and WRU were supported for their masterís or certificate studies at AIT.

AIT also continues to promote close relationships with Danish organizations. For example, an MoU was signed with the UNEP Collaborating Centre on Water and Environment (UCC-Water) Denmark, on 9 January 2006. The MoU serves as an arrangement to encourage mutual ties of friendship and understanding between the two parties and to further develop collaborative activities in the areas of mutual interest through education and training.

Ethiopia

A number of Ethiopian doctoral students at AIT funded with bilateral grants provided by the World Bank or European donors to Ethiopian universities such as the Alemaya University ñ Agricultural Research Training Project, and the Ethiopian Agricultural Research Organization have completed their study and graduated. Most of these doctoral graduates, who are senior faculty members or department heads in Ethiopian universities, have returned back to Ethiopia. Currently, one Ethiopian student is awaiting his graduation.

European Union (EU)

AIT has had a productive cooperation with the European Commission through successive European Union-funded programs at AIT that include scholarships for Asian and European students. Noteworthy was the Postgraduate Technological Studies (PTS) Program in 1999-2002. In recent years, AIT won research grants for projects under the ECís Asia-Link Programme. AIT intends to continue participating in this program by partnering with institutions in Europe and Asia.

AIT Energy field of study also launched a project named iTransfer of EU Knowledge and Technology for Development of Wind Energy Technology in Thailand. It is co-funded by the Commission of the European Communities through EU-Thailand Economic Cooperation Small Project Facilities. The objective of the project is to promote the wind energy sector in Thailand with the transfer of knowledge and technology from EU and to support the Thai governmentís move toward greater energy security, diversity and independence. The project activities will take the form of studies, workshops, seminars and training sessions that are aimed at creating awareness and capacity-building in wind energy sector in Thailand. They will target personnel from electric utilities, financial institutions, existing independent power producers and small power producers, energy

supply companies, universities and other related government and private entities.

Finland

AITís main partnership program with the government of Finland is implemented through the AIT-Finland MoU that was successively renewed since the 1990s. The MoU for 2004-2006 provided support for the Pulp & Paper Technology (PPT) and Information and Communications Technologies (ICT) fields of study. Under the MoU, masterís scholarships to Asian students at AIT were offered in the August 2006 semester intake. Negotiations for the renewal of this MOU are underway. The Government of Finland was also involved in the evaluation of the instituteís administration and management. Several Finnish companies, in the past, also provided scholarships such as Telecom-Finland-SONERA and Nokia. Finland Governmentís approval of the renewal of the MoU for the period 2007-2009 is expected in early 2007.

France

A founder of AIT, France has supported AIT under various schemes since its creation in 1959. Within the general objectives of the French cooperation in the region, under the aegis of the Regional Cooperation Office in Southeast Asia, the current activities of the French cooperation at AIT are developed along several axes with the aim of fostering the development of the region through human resource development and capacity building:

- the development of joint academic and research activities between AIT and French institutions with a particular focus on high quality doctoral program and research. In this framework, the French cooperation welcomes and fully supports the strategic initiatives taken by AIT.
- the coordination and integration of AITís activities with other relevant sponsored cooperation programmes in the ASEAN and the wider Asian region.

In 2006, the support provided by the French cooperation programme to AIT amounts to 645,300 Euros. French support also included contributions to the ICT-Asia programme and a specific program in favor of Tibetan students from China. Under the latter program, 3 students joined the AIT bridging program in March 2006 and were enrolled in the masterís program in August 2006 semester.

There were 23 new students admitted in 2006 in 3 main academic fields: information and communications technologies, energy and environment and business education, including 2 students enrolled in the doctoral programme. By February 2007, it is expected that there will be 40 holders of French scholarships enrolled at AIT, including those admitted in 2006.

Also in 2006, the French cooperation will have sponsored the participation of 29 AIT students to exchange, dual-degree programs or research internships in French academic and research institutions such as ESCP-EAP, CERAM, INT, EDHEC INRIA and CEMAGREF. Twenty of these students will receive dual-degree master's degrees from AIT and a French partnering institution (ESCP-EAP, INT, CERAM).

AIT's French partner, Institut National des Telecommunications (INT) has officially notified that the institutes' joint Master of Science program entitled "ComNets - Communication Networks and Services" has been accredited by the French Conference des Grandes Ecoles. This is possibly the first time that an AIT offering in the engineering field was accredited. The accreditation received is an initial and provisional one valid for one year after which it will be reexamined. The dual-degree master's program with the French institute requires students to spend one year at AIT followed by one year at INT. After completing the program, the students will receive master's degrees from both AIT and INT. The accreditation covers both parts of the master's program.

Germany

Although official multi-lateral programs at AIT by the German government ended in 2002, AIT continues to seek cooperation with Germany through academic exchanges and joint degree programs between AIT and top German universities.

The newly appointed German ambassador to Thailand, H.E. Dr. Christoph Brummer, visited AIT in February 2006. The visit was an occasion to strengthen the collaboration between AIT and German government. The Ambassador had an open discussion with the recipients of Katolischer Akademischer Auslander - Dienst (KAAD) Scholarships and students from Germany. In addition, visits to the Industrial Systems Engineering (ISE) laboratories and the Hannover-AIT Protected Cultivation Project under the School of Environment, Resources and Development were also made.

The German Academic Exchange Service (DAAD), which had provided substantial number of scholarships through the German-AIT Cooperation Program in the past, has shown renewed interest. Accordingly, discussions are ongoing for DAAD scholarships for Asian students to study at AIT, and joint programs between AIT and German universities.

To know about AIT, Dr. Markus Waechter, Director of German Institute of Science and Technology in Singapore visited AIT and also Professor Volkhard Wtzel, director of German Federal Institute of Hydrology, Germany paid a visit to AIT in 2006.

India

AIT's main partnership programs with India are implemented through the Indian faculty secondment program at AIT and operational grant support through the local currency fund for Indian students, staff and faculty. As India is no longer a major recipient of international scholarship grants, many Indian students enroll at AIT with external funding support as well as through the AIT fellowships scheme. AIT has signed a number of student recruitment agreements with companies in India to attract fee paying students from India.

AIT has signed MoUs with two institutions in India for Unified bachelor-master's degree program. The institutions are Sir Padampat Singhania University in Rajasthan and Shivaji University in Maharashtra. Several promotional activities will be undertaken to promote the unified program in Thailand. The target number of students is about 150.

Indonesia

AIT's partnership activities with Indonesia are implemented through its MoUs with Indonesian Government Ministries such as Ministry of Public Works as well as several top Indonesia universities such as with Andalas University, Petra Christian University, Atma Jaya University, University of Gadjah Mada and Bogor Agricultural University. Under these MoUs, Indonesian university faculty and researchers are admitted to AIT's master's and doctoral degree programs. AIT and the Institute of Technology Sepuluh Nopember (ITS) in Indonesia also entered into an agreement on 1 July 2006 for establishing collaborative programs.

On 28 June 2006, AIT established the AIT Center in Indonesia (AIT-CI) in collaboration with the Ministry of Public Works (MPW), Indonesia. Its current status is based on the MoA between AIT and MPW for a period of five years. AIT-CI operation has been legalized by the Minister of Public Works' Decree that provides funding from the state budget for the first three years (2006-2008) of its operation.

AIT in collaboration with the University of Gadjah Mada and AIT-CI will launch an 18-month joint dual-degree master's program in transportation systems & engineering. The program which will be implemented by the AIT-CI will start from August 2007 with full funding for 20 students provided by the World Bank. Students would spend 9 months at University of Gadjah Mada and the remaining 9 months at AIT and AIT-CI.

To attract fee paying students from Indonesia, AIT has signed a student recruitment agreement with a company in Indonesia.

In 2006, AIT President made several follow-up visits to partner institutions in Indonesia. AIT also received

several delegations from partner institutions in Indonesia.

Iran

A high level delegation led by H.E. Dr. Hassan Khalegh, Deputy Minister of Science, Research and Technology of the Islamic Republic of Iran visited in July 2006 to discuss cooperation between AIT with Tarbiyat Modarres University (TMU). TMU is a well-known State University and is responsible for training teachers to be absorbed into other universities in Iran. Possible collaborative activities are a cooperation program focusing on student exchange, faculty exchange, joint supervision of research projects, and post-doctoral fellows to be sent to AIT for a semester to teach. The concept of sending TMU Ph.D. scholars to AIT for a semester to pursue their research activities was also discussed.

AIT has also explored collaboration and received encouraging feedback from the Ministry of Education of Iran and several universities such as Amirkarbir University, Azad University, Shomal University and the University of Tehran.

Israel

Opportunities for cooperation were discussed with H.E. Ms. Yael Rubinstein, Ambassador of Israel to Thailand who visited AIT in March 2006. The Israeli Ambassador expressed interest in exchange programs between AIT and institutions in Israel as a start to take part in the internationality of AIT. She also informed AIT about the Israel-Thailand cooperation that was signed to strengthen the culture, education, research and science programs between Israel and Thailand and that it would be a great opportunity for AIT to be part of this cooperation. The ambassador informed the president that through her embassy, she would assist AIT in building partnerships and cooperation programs with institutions and organizations in Israel.

Japan

The Government of Japan's support to AIT started in 1969. It is one of the largest and oldest donors to AIT. The Japanese Government is, by far, the second largest government supporter of AIT, following the Royal Thai Government. The usual annual support of the Japanese Government, mainly through the Ministry of Foreign Affairs and the Japan International Cooperation Agency (JICA), and more currently the Japan Aerospace Exploration Agency (JAXA), to AIT has been in the forms of scholarships, equipment grants, operating grants, special funds for specific purposes/projects, and faculty secondment. From 1971 to present, a total of 127 Japanese experts have been seconded to AIT to contribute to various academic programs of AIT.

The Ministry of Foreign Affairs scholarships for master's degree and doctoral degree programs are earmarked for students from developing countries in

the Greater Mekong Sub-region, Central Asia and South Asia. From 1969-2006, almost 900 nationals from 29 countries have been awarded with Japanese scholarships to study at AIT.

The new Japanese ambassador to Thailand and AIT trustee, H.E. Mr. Hideaki Kobayashi also visited the campus in February 2006. During his visit, he was briefed on the partnership between Japan and AIT. Areas in which the partnership could be further strengthened were also explored.

A proposal for the modification of the utilization of income from the Japan-AIT Human Resources Development Endowment Fund has been approved by the Japanese government. This will allow for a fund of approximately 1,500,000 baht to be utilized each year for short-term Japanese experts at AIT. The Japan-AIT Human Resources Development Endowment Fund, an amount of US\$ 500,000, was donated to AIT in 1986 for the purpose of human resource development for Asia and the Pacific.

AIT has also entered into several academic exchange and research cooperation programs with leading Japanese universities and research institutions such as with Keio University, Kyoto University, National Institute of Informatics, Tokyo, the University of Tokyo, the University of Tsukuba, and the University of Yamanashi to name a few.

Visitors from key Japanese partners during the reporting period include those from: Japan Aerospace Exploration Agency (JAXA), University of Tokyo, Tokyo Institute of Technology, National Institute of Informatics (NII) and Ochanomizu University.

Jordan

AIT was invited by the Royal Scientific Society of Jordan in March 2006 to participate and present about AIT at the 9th Commission on Science and Technology for Sustainable Development in the South. High-level representatives from 14 member countries participated in this conference. Furthermore, meetings were arranged with senior administrators and faculty members of the University of Jordan. There is an interest to send faculty members and potential students to AIT. Discussions were also held with the Jordanian Ministry of Higher Education in this respect. Meetings were also held with the United Nations University's International Leadership Institute. There is demand for AIT to offer short-term training programs.

Korea

The partnership between Korea and AIT started way back in 1975 when the Korean Government seconded Korean faculty to AIT through the Ministry of Science and Technology, Korea and currently through the Korean International Cooperation Agency (KOICA). The secondment of faculty has been

arranged by KOICA through the Korean Embassy and the KOICA Office in Bangkok in cooperation with various institutes and universities in Korea. Korean experts seconded to AIT up to now totals 25. Since its inception in 1975, seconded Korean faculties have provided invaluable expertise to the various schools and fields of study at AIT.

In January 2006, the Government of the Republic of Korea, through KOICA formalized a second contribution of US\$ 500,000 to the Korea Endowment Fund at AIT. The Korea Endowment Fund, established by the Government of the Republic of Korea in 1981, started with the amount of US\$500,000 and now amounts to US\$1,000,000, which is being used in financing scholarships for students from developing countries in Asia.

AIT has entered into academic cooperation and exchange programs with a number of leading Korean universities and institutions. The long-standing partnership is also exemplified through the following accomplishments:

- The Korea House building which was formally opened at AIT in 1982. To date, the Korea House has served the entire AIT community by bringing them together under one roof for various social activities. With joint efforts plus the support of KOICA, the upgrade of the facility at Korea House is being looked into.
- The Arirang Endowment Fund established in 2000 by Dr. Young-Suk Hyun, then on secondment from KOICA. The Fund supports North Korean nationals to come to AIT for short-term training courses as well as degree programs.
- AIT academic cooperation and exchange programs with Hanyang University, Korea Advanced Institute of Science and Technology (KAIST), the Kumoh National University of Technology, and the Korea Institute of Science and Technology (KIST) for a dual-degree program for eligible AIT and KIST students.
- An agreement with the Korea Polytechnic University (KPU) on academic collaboration and exchange. The Koreans' concept on 'Engineering House' and 'University-Industry Relations' was discussed at length during a meeting. It is anticipated that both universities will develop concrete collaborative activities in this area.

Lao PDR

AIT has an agreement with the Ministry of Education of Laos for a cooperation program in education and research in technology, planning and management and to provide higher education to Laotian students. Lao PDR is a major recipient of AIT administered

scholarships, particularly master's scholarships provided by Sida. Cooperation programs and the formulation of joint proposals with Laotian ministries and universities on human resource development and institutional capacity building for third party funding are being explored in the next phase of partnership between AIT and Lao PDR.

Malaysia

AIT continues its promotional efforts to increase awareness of AIT in Malaysia and to attract Malaysian students to AIT.

In July 2006, a delegation from the Institution of Engineers (Mechanical Engineering Technical Division), Malaysia visited AIT. The objective of the visit was to study the roles of AIT in energy efficiency and renewable energy for Asia and other developing countries.

Also in July 2006, a visiting delegation from the Universiti Kebangsaan Malaysia (UKM) was received by AIT to discuss an agreement for collaboration in academic, research and other activities. UKM is already a partner in the Asian Regional Research Programme on Environmental Technologies (ARRPET) carrying out research with faculty from the Environmental Engineering and Management field of study. UKM and AIT already have a fruitful relationship in the fields of advanced technologies and engineering, but UKM would like to pursue and work out details of a broader partnership. UKM would like to send their faculty and students to study at AIT to meet the needs of human resources development and institutional capacity building.

A delegation from the Universiti Teknologi Malaysia (UTM) visited AIT to learn more about AIT and to seek opportunities for collaboration on student/faculty exchanges, joint research projects and faculty and staff development through both degree programs and training programs.

To strengthen the partner relationship, a delegation from the Universiti Teknologi Petronas, Malaysia, made an official visit to AIT in reciprocation to an AIT School of Engineering and Technology delegation's visit to Malaysia a few months back. Discussions centered on collaboration between the two universities, mainly with regard to AIT's Offshore Technology and Management program.

Maldives

AIT continues to explore possibility to increase the recruitment of students from Maldives, a non-traditional source of AIT students, through promotions and invitations extended to officials of the Maldives Government.

In May 2006, H. E. Ahmed Abdullah, Minister, Ministry of Environment, Energy & Water, Maldives visited AIT accompanied by Mr. Moosa, Director General, Ministry of Water, Energy & Environment. The minister was on

an official visit with Mr. Surendra Shrestha, Regional Director of the Asia and the Pacific Region for UNEP. Although the number of Maldivian alumni is nominal and the tourism industry is the main priority of the Maldives, the Maldivian government has stressed great importance to capacity building through human resource development in which AIT could be a key player. A new university is being established in the capital Male in 2007. At the early phase of its establishment AIT could assist in curriculum development. AIT could also help in the capacity building of the faculty members in specific focus areas of interest.

Myanmar

Although Myanmar is not a major recipient of donor government scholarships, AIT has established channels to ensure that academic and technological training are provided to Myanmar students. In addition, AIT also offers fellowships to enable outstanding but financially handicapped Myanmar students the opportunity to study at AIT. The Asian Development Bank, the Government of Japan and the World Bank are also regularly approached to assist the Institute in its human resource development programs for Myanmar.

The Vice President for External Relations visited Yangon, Myanmar in September 2006. He met the Vice President and other senior officials of the Union of Myanmar Federation of Chambers of Commerce and Industry (UMFCCI). Unlike other universities or governmental organizations, UMFCCI is private and relatively independent and flexible. Its modern headquarter building with training classrooms and equipment is going to be completed before the end of 2006. It was discussed to start AIT-UMFCCI cooperation by organizing training courses. Other follow up activities shall be carried out in early 2007.

To attract fee paying students from Myanmar, AIT has signed a student recruitment agreement with an alumnus-led company in Myanmar.

Nepal

Nepal is one of the Asian countries which receive scholarships administered by AIT on behalf of its donor partners (Austria, Japan, Norway, and Thailand). AIT has several agreements on human resource development and capacity building with Nepal government ministries such as the Ministry of Science and Technology, under which several students are funded in their study program at AIT. AIT also has an agreement with Tribhuvan University for academic cooperation.

In October 2006, AIT signed a memorandum of understanding with the National Center for Education Development (NCED), Government of Nepal. The MoU establishes an institutional link between NCED and AIT (AIT Extension) that will support capacity building through the sharing of expertise. Under the agreement, short- and long-term international and domestic training courses on various job competen-

cies as well as technical assistance will be organized by the AIT Extension. Certification of the domestic courses will be co-branded by AIT. The duration of the agreement is three years, ending in September 2009 with an approximate budget of US\$2.5 million. Danida-Nepal is the donor agency supporting the activities.

A student recruitment agreement has been signed with an alumnus-led organization in Nepal in order to attract fee-paying students from Nepal.

The Netherlands

In response to the request from the Netherlands Ministry of Development Cooperation, AIT submitted a revised proposal on iHuman Resources Development (HRD) for Asian Partner Countries in August 2006. In November 2006, the Netherlands Ministry of Development Cooperation approved AIT's revised proposal and decided to support the HRD Program with a total of Baht 52,324,905. The support includes 40 master's, 5 doctoral and 5 bridging scholarships for nationals of Afghanistan, Bangladesh, Indonesia, Mongolia, Pakistan, Sri Lanka and Vietnam. Scholarships will be offered in 2007 in the fields of Water Engineering and Management, Rural Development and Sustainable Use of Natural Resources and Urban Environmental Management. Ten master's scholarships are planned to be awarded in the January 2007 semester. Fifty percent of the scholarship awardees will be women.

The objective is to contribute to poverty reduction in the partner countries through capacity building in relation to relevant fields to sustainable development, environmental protection and promotion of gender equity.

The long-term cooperation between the Dutch Ministry of Development Cooperation and AIT will be decided after a review of its International Institutes Programme at the end of 2007. AIT has informed the Ministry of Development Cooperation about its willingness to participate in the proposed review.

Norway

An agreement between the Norwegian Ministry of Foreign Affairs (MFA) and AIT was signed on 27 April 2006. The agreement, which covers the period of January 2006 - December 2009, includes among other activities, 65 master's and 8 doctoral scholarships.

Twenty master's and 8 doctoral scholarships were offered during 2006. Fifty percent students were women. Eighteen master's students who were offered scholarships under the previous phase of cooperation (2003-2005) continued their studies in 2006.

The objective is to enhance capacity building in the Norway-AIT programme countries of South and Southeast Asia, i.e., Afghanistan, Bangladesh, East

Timor, Nepal, Pakistan, Sri Lanka and Vietnam, the Mekong region low income countries (Lao PDR and Cambodia) as well as other less developed countries in Asia.

An amount of NOK 20,000,000 was agreed for contribution by the Norwegian Ministry of Foreign Affairs (MFA) in April 2006 for scholarships in the gender and development studies (GDS) and academic networking with regional and Norwegian institutions. An additional sum of NOK 4,042,000 (NOK 1,198,000 being the core budget for AIT) was approved by MFA for research cooperation to be carried out between AIT and the Foundation for Scientific and Industrial Research in Norway (SINTEF) in the field of Hazardous Chemicals Management. An addendum was signed between AIT and MFA to that effect in August 2006 and a sub-contract was signed between SINTEF and AIT in December 2006.

As part of AIT's academic networking programme, a contract was signed with the Norwegian Institute of Science and Technology (NTNU), Trondheim, Norway.

Pakistan

Collaborative activities with Pakistan at the ministry and university levels have been launched to assist in the postgraduate education of Pakistan government officials and university lecturers and staff.

An AIT delegation to Pakistan visited the Pakistan Higher Education Commission (HEC) in Islamabad in May 2006 and secured support for Pakistani students and faculty at AIT. Under the collaboration, the commission will send and support 20 students per year to pursue their master's in engineering for a period of three years. In addition, the Commission would like to second Pakistani faculty members to AIT as soon as the fields of study are identified by AIT. Moreover, Pakistan would fully support AIT in its efforts to be accredited as an intergovernmental organization.

A new MoU for master's leading to doctoral degree program will soon be signed between the Higher Education Commission of Pakistan and AIT. Under this agreement, Pakistani nationals will be provided AIT fellowships and HEC support to pursue their master's leading to doctoral degree programs in various fields of study at AIT. An AIT delegation plans to visit Pakistan to interview the students, meet existing partners to strengthen the cooperation, and explore new partnerships.

Other AIT collaborative ventures in Pakistan for capacity building and human resource development are with the University of Balochistan (UOB), University of Engineering & Technology (UET), Peshawar, and the Lahore College for Women University (LCWU). AIT is also exploring possibilities of establishing an AIT Center in Pakistan.

Philippines

As students from the Philippines are no longer a major recipient of AIT administered scholarships, AIT's thrust in the Philippines has been to establish academic and research cooperation programs with governmental ministries, leading Philippine universities and research institutions as well as local bodies.

In June 2006, a Philippine delegation led by an AIT alumnus from the city council of the Science City of Munoz, Nueva Ecija, Philippines, visited AIT to explore the collaboration and to seek opportunities for future partnership. The delegation showed interest in exploring the possibility of studying and exchanging experiences in training methods in various developmental areas.

In September 2006, 19 undergraduate students from Political Science, Development Studies, De La Salle University - Manila accompanied by Mr. Allen B. Surla, Vice Chairman, Political Science Department, visited AIT. The visit was part of an educational tour to Thailand for the students whose major interest was to scout graduate schools in the region to further their studies.

Russia

There is a potential for AIT to attract students from Russia who currently pursue their higher studies in the West. With the assistance of the ambassador of the Russian Federation to Thailand, a high-level visit is planned to Moscow to meet with the Ministry of Education and Science, officials from Moscow State University and other leading Russian business schools.

Sri Lanka

AIT has successfully negotiated the approval of the Sri Lankan Government Parliamentary Scholarship Board in availing of two full merit-based master's scholarships a year valued at a total of US\$42,000.

In March 2006, an AIT delegation visited Colombo which resulted in strengthening AIT's ties with Sri Lanka. The main purpose of the visit was to meet with the chairman of the Urban Development Authority and the chairman of the National Water Supply and Drainage Board, Ministry of Urban Development and Water Supply to discuss the specific details of a two-year geo-informatics-based water supply and sanitation project for sustainable development of tsunami-affected communities in Sri Lanka. Funding was explored for a two-week seminar/study visit program to be conducted by the AIT Extension on local governance and decentralization for a group of 15 Sri Lankan officials comprising of members of parliament, provincial ministers, provincial mayors and senior officers.

In late July 2006, an AIT delegation led by the AIT President made another visit to Colombo, Sri Lanka, to discuss funding for master's scholarships at the

proposed AIT Center, Sri Lanka and training programs for public administrators, with the Minister of Education and the Minister of Home Affairs and Public Administration and other Sri Lankan officials. Discussions with the Minister of Education Mr. Susil Premajayantha, centered on proposed funding for AIT Center, Sri Lanka, which will initially focus on master's degree students in Applied Biotechnology. The possibility of the ministry providing 10 full scholarships a year for three years for qualified Sri Lankans was explored. The Vice Chancellor of the University of Colombo – which will house the AIT Center at its Institute of Biochemistry, Molecular Biology and Biotechnology – and the university senate had approved the center. Minutes of the approval were sent to the chairman of the University Grants Commission, which has also approved the establishment of the AIT Center. Once the cabinet approves the allocation of funds for the first three years of operation, the center will be in a position to open by early 2007.

Another meeting, also in late July 2006, with the Minister of Home Affairs and Public Administration Dr. Sarath Amunugama, arranged through the assistance of the Sri Lankan Ambassador to Thailand, focused on the ministry's request for AIT to prepare a program for a study tour of public administrators to AIT Extension, as well as to discuss the ministry's future training requirements.

In addition, with the financial support of the World Bank, the University of Sabaragamuwa will be sending two of their faculty/staff members to pursue their master's degree at AIT.

Sweden

Sweden is currently one of the major scholarship partners of AIT. Under the ongoing agreement between Sida and AIT for 2004-2008, a total of 136 master's degree scholarships are available for nationals of Cambodia, Lao PDR and Vietnam.

As of December 2006, 134 scholarships were offered, of which 49 students were enrolled in 2006. Fifty-two students graduated and 82 students were continuing.

The objective of the program is to strengthen the capability of institutions in Cambodia, Laos and Vietnam to address issues related to poverty alleviation, environmentally sustainable natural resource management through higher education and training of relevant personnel.

The annual consultations between Sida and AIT were held at AIT during 11- 13 December 2006. AIT followed up on its earlier discussion with Sida on the possibility of offering scholarships to students from Myanmar, which is not yet a program country for Swedish scholarships. It was, however, agreed that AIT would try to offer one or two scholarships from the ongoing Sida-AIT Cooperation to Myanmar nationals.

Following a request from AIT in October 2005, Sida decided to provide SEK 44,750,000 for the Wetlands Alliance Program (WAP) during 2006-2008. An agreement between Sida and AIT was signed on 5 April 2006 to that effect. Working in close collaboration with three other regional partners, AIT had proposed the establishment of a Wetlands Alliance to build local-level capacity in aquatic resources management. Aiming to address issues related to poverty alleviation in and around the Mekong region, AIT, Coastal Resources Institute (CORIN) of the Prince of Songkla University, the WorldFish Center and WWF will work together to build on their combined strengths in education, training, conservation, development and research. The Alliance represents a great step towards improved cooperation for poverty alleviation in the region. Its methods of work are unique in the sense that the Alliance partnership activities start from the rural poor.

In November 2006, AIT submitted a proposal to Sida on Asian Regional Research Program on Persistent Organic Pollutants. The proposal was prepared based on the outcome of the research conducted by the Asian Regional Research Program on Environmental Technology (ARRPET): 2004-2007 (Phase II) as well as the workshop on Persistent Organic Pollutants (POPs) which was held at AIT during 31 May – 01 June 2006. The proposal is divided into two parts. Part 1 covers the period of January – December 2007 with a total requested budget of SEK 3,000,000 and Part II covers the period of January 2008-December 2010 with a total requested budget of SEK 16,697,962.

AIT has also been working on a regional research program proposal on Energy for Sustainable Development and Climate Change for funding by Sida. Discussions and workshops were held with various stakeholders, including policy makers from South and Southeast Asia. The proposal is expected to be submitted to Sida in March 2007. This proposal is being prepared following the closing of Asian Regional Research Program in Energy, Environment and Climate (ARRPEEC) and Renewable Energy Technologies in Asia (RETs) projects.

AIT provided support to the National University of Laos (NUOL) during a six-month extension phase of the Sida/SAREC project from July 2006 to March 2007 with a budget of 400,000 SEK. During this phase AIT assisted NUOL in the financial management of Sida-supported programs by providing hands-on training for NUOL staff, and in facilitating a discussion on the improvement/development of existing and new master's programs.

AIT is in the process of submitting the proposal for a far more extensive support program for the second phase of the Sida-SAREC project 2007-2010. Support will include development of curricula for master's programs, assisting NUOL and especially

the Post Graduate and Research Office at NUOL in building up structures and policies for the management of research projects, and providing support to the Information Technology Center (ITC) at NUOL. The budget for curriculum development and support for research management is SEK 1,600,000. The budget for support to ITC has not yet been finalized, but will be significantly higher than the budget for the other components.

Switzerland

Official multi-lateral assistance program of the Government of Switzerland to AIT ended in June 2004, with the last batch of students graduating in May 2005. Due to the change in development emphasis and approach, Swiss Agency for Development and Cooperation (SDC) will provide only bilateral assistance to its program countries in Asia. AIT's strategy will be to tap into these bilateral programs and work jointly with the program countries to develop human resources and other forms of academic and research collaborations.

Taiwan

In order to revitalize relationships with Taiwan, AIT President had visited Taipei in December 2005. As a follow-up, AIT submitted a proposal to the Ministry of Education, Taiwan, for scholarships, research and faculty secondment through the Taipei Economic & Cultural Office (TECO) in Thailand and a proposal to the Council for Economic Planning and Development, Taiwan, to consider AIT as one of the venues for Taiwan Merit Scholarship recipients to pursue their studies. Both proposals were well received and the President made a follow-up visit to Taipei in November 2006.

Chia Nan National University of Science and Pharmacy sent two faculty members for Ph.D. studies at SOM, AIT in August 2006.

With the help of senior alumni in Taiwan, it is learned that the government of Taiwan will allocate scholarships funds and a budget for faculty secondment to AIT for the 2007 fiscal year. The Ministry of Education has assigned Dr. D. J. Wang of National Yunlin University of Science and Technology as the program manager responsible for processing the applications of doctoral students and faculty members to be seconded to AIT in August 2007.

Earlier in March 2006, Mr. James Chang, executive assistant to the representative and head of cultural division, Taipei Economic & Cultural Office in Thailand visited AIT. The visit was part of AIT's on-going efforts to revitalize relationships with Taiwan, through faculty secondment, scholarships for master's and doctoral programs and research fund for joint research activities between AIT and Taiwan universities.

In July 2006, AIT and the National Yunlin University of Science & Technology, Taiwan, signed an open-

ended agreement for collaboration. The agreement covers secondment of a Taiwanese faculty member to AIT and 10 doctoral scholarships for Taiwanese scholars to be funded by Taiwan's Ministry of Education. AIT and National Yunlin University of Science & Technology also discussed the concept of a dual doctoral program and tentatively plan a symposium to discuss joint research projects that would receive Taiwanese funding. The National Yunlin University founded in 1991, was recently ranked the No. 2 science and technology university in Taiwan and the No. 1 teaching university by the Taiwanese Ministry of Education.

Thailand (RTG)

A founder of AIT, the host country Thailand continues to be one of AIT's main and long-standing partner. Thailand has been a generous partner of AIT providing full scholarships through official Royal Thai Government assistance program to AIT under Their Majesties the King and Queen Scholarships for Asian students in environment, technology, planning and management. The Royal Thai Government Fellowships Program provides partial scholarships support to Thai students to study at master's and doctoral levels. Through these programs, AIT supports the Thai government's human resources development program, in particular complementing the Thai university system in producing doctoral degree graduates who will become faculty members.

The contribution from the Royal Thai Government is in the form of a five-year plan of cooperation. The eighth five-year RTG-AIT Cooperation Plan (FY 2005-2009) was approved by the cabinet at its meeting on 28 December 2004. The total approved budget for the eighth five-year plan is Baht 724,042,000. Compared to the seventh five-year plan (FY 2000-2004), this budget is 20 percent more. Under the cooperation, master's degree scholarships are being offered annually under Their Majesties the King and Queen Scholarships.

In 2006, as one of the significant milestones in this long-standing cooperation, AIT was greatly honored by Her Royal Highness Princess Maha Chakri Sirindhorn presiding over the AIT 105th Graduation Ceremony, held on 24 May 2006 in the Thailand Science Park Convention Center. At the ceremony, 469 graduates were awarded master's or doctoral degrees. The event was also graced by H.E. Mr. Anand Panyarachun, former Thailand Prime Minister and AIT Board of Trustees Chairman, as well as Gen. Dr. Boonsrang Niumpradit, then Deputy Supreme Commander of the Royal Thai Armed Forces and AIT Alumni Association's President. A 5-minute video presentation in honor of His Majesty the King's 60th Anniversary of Accession to the Throne was also shown.

AIT has existing agreements on academic and research cooperation with leading Thai universities and institutions such as the Chulabhorn Research

Institute, Chulalongkorn University, Chiangmai University, Kasetsart University, Rajamangala Institute of Technology and Rajabhat Universities, Thammasat University, and the National Science and Technology Development Agency (NSTDA).

A delegation from the Chulachomkiao Military Academy also visited AIT on 24 March 2006, to sign an agreement for collaboration in joint research activities, training, and exchange of faculty members.

United Arab Emirates

AIT is preparing to enter the Middle East market, initially targeting the United Arab Emirates, especially Dubai, Abu Dhabi and Sharjah. The major constraint AIT faces is to get AIT programs accredited in a few focused areas that are of national importance to UAE. AIT will be discussing areas of possible cooperation with the ambassador of UAE to Thailand. Through the ambassador's assistance, AIT will seek an appointment with the Minister of Higher Education of UAE, who is also the chancellor of the United Arab Emirates University and ruler of Dubai.

USA

In May 2006, Dr. David Hannaway, Department of Crop & Soil Sciences, Oregon State University, Corvallis, U.S.A. and Mr. Alan S. Cooper, an Oregon State adjunct faculty member from ANE-Asia Associates LLC, Hua Hin, Thailand visited AIT to foster advancement in teaching, research, cultural understanding as well as to enhance international reputations of both institutions. Through an MoU signed in September 2006, AIT and Oregon State University, U.S.A., will also soon cooperate in teaching and research. The five-year agreement involves: faculty exchange, joint research, technical assistance and development activities, participation in seminars and academic meetings, exchange of academic materials and other information, special short-term academic programs and student exchange for research and study.

Vietnam

An increasing number of Vietnamese students, who are state officials or employees, are being supported in their study program at the master's and doctoral degree levels in AIT. For the past several years, the Vietnamese Government through the Ministry of Education and Training (MOET), as well as state agencies such as Vietnam Oil & Gas Corporation (Petro Vietnam), Electricity of Vietnam (EVN), the Post and Telecommunications of Ho Chi Minh City, and Project 300 of Ho Chi Minh City, Vietnam have provided master's and doctoral scholarships to Vietnamese officials for their study either in the regular program at AIT or in the two-stage program at AIT Center Vietnam and AIT. All these scholarship programs are administered under various MoUs, MoAs or special agreements.

The AIT Center in Vietnam also continues to be an international gateway for technology transfer supporting national development of Vietnam through post-graduate and short-term training, information services, research and consultancy.

A delegation headed by the Vice Minister from Vietnam's Ministry of Agriculture and Department of Science and Technology visited AIT in April 2006. The Vice Minister informed that the government of Vietnam is taking steps to increase capabilities of employees by offering short-term training and joint research programs in agricultural biotechnology, food processing and ecological conservation. Discussions for signing an MOU for collaboration with the ministry are underway.

A delegation from Dong Nai's People's Committee delegation visited AIT during 23-25 May 2006 and attended the 105th Graduation Ceremony. The purpose of the visit was to see AIT's academic offerings, campus and research facilities since Dong Nai's People's Committee would like to send their staff to study at AIT to meet their needs in human resources development and institutional capacity building. Furthermore, Dong Nai TV Broadcasting will transmit and promote AIT academic activities and teachings in Vietnam.

A delegation from Hue College of Economics, Vietnam visited AIT in August 2006 to foster advancement in teaching, research, cultural understanding and the international reputations of both institutions. Specifically addressed were the exchange of students and faculty, the possibility of a doctoral student exchange program, collaboration in research and training programs and exchange of academic information and materials. Furthermore, Hue College expressed interest to explore developing a Regional and Rural Development Planning Program with the assistance of the School of Environment, Resources and Development and School of Management.

During the 106th Graduation Ceremony, the Vice Minister, Ministry of Education and Training of Vietnam presented the Friendship Order to the Asian Institute of Technology (AIT) on behalf of the Vietnamese Government. The Friendship Order is the highest award given in the area of international relations and is presented to foreign institutions and persons that have contributed to human resource training for Vietnam, and to the development of friendly relations between Vietnam and other countries.

Vietnam and AIT have a very fruitful, long lasting relationship and AIT has a good reputation in Vietnam as AIT Vietnamese alumni are well appreciated by the organization that they are working for.

International Organizations, Foundations and Corporate Sector

AIT also continues to maintain and launch new initiatives aimed at partnerships with international organizations, foundations and corporate sector for Asia's HRD, R&D and institutional capacity building. Noteworthy among these are:

ADB-JSP

Since 1989, the Asian Development Bank through the ADB-Japan Scholarships Program (ADB-JSP) has been providing scholarships to students from developing member countries of ADB for their study at AIT and other Asian institutions. ADB priorities are for students from developing ADB member countries in Central Asia, Greater Mekong Sub-region and South Asia. Fourteen master's scholarships were approved by ADB for the August 2006 semester.

Asian Scholarship Foundation

In October 2006, the Asian Scholarship Foundation announced the opening of the 2007 competition for the International Fellowships Program (IFP) in Thailand. With funding from the Ford Foundation, the International Fellowships Program provides opportunities for exceptional individuals who wish to undertake advanced studies and who will use this education to make outstanding contributions in their respective fields, furthering development in their own countries and greater economic and social justice worldwide. To ensure that fellows are drawn from more diverse backgrounds, the program actively recruits candidates from social groups and communities that lack systematic access to higher education. The Fellowship provides: graduate-level awards in an appropriate university program anywhere in the world, including Thailand; full-time enrollment in an accredited university; support for up to two years towards a master's degree in any academic discipline or field of study that is consistent with Ford Foundation priority areas; assistance in choosing and enrolling at the chosen university; and intensive foreign language studies for not more than one year, plus basic skills training in research methodology and computers prior to enrollment.

The IFP has been funding scholars from China, Vietnam and Thailand to study in the master's degree program at AIT under the MoU between IFP and AIT.

Starr Foundation

The Starr Foundation scholarship program at AIT started in the 1970s and has continued until present. With the first graduate in 1976, the Starr Foundation scholarships have been mainly for Thai students, with an exception of one case. In 2003, the scholarship program was expanded to include scholarship support for a Vietnamese student to study in a master's program at AIT in August 2003.

Indian Corporate Sector

AIT is following up on the partnership program with Tata Technologies Ltd. of India for scholarships support to Indian students in Industrial Systems Engineering and International Business fields of study.

Japanese Corporate Sector

AIT has undertaken initiatives to increase the interaction with the Japanese private sector. Exchange of visits were made between AIT and different sections of the Japanese Chamber of Commerce. Member companies of the Japanese Chamber of Commerce in Bangkok in the information technology sector visited AIT in February 2006.

JJ/WBGSP

The Japanese Government, through the Joint Japan/World Bank Graduate Scholarship Program (JJ/WBGSP) has been providing master's and doctoral degree scholarships to Asian students who meet JJ/WBGSP scholarship criteria. JJ/WBGSP scholarships are provided to AIT students from a number of Asian countries such as Bangladesh, Cambodia, Laos, Myanmar, the Philippines, Sri Lanka and Vietnam. Many of the scholars receive some AIT fellowships as specified and JJ/WBGSP provides support for the major tuition costs not covered by the AIT fellowships. There were only a few AIT students funded by JJ/WBGSP in the 2006 academic year. AIT is exploring the possibility to enter into a more formal agreement with the World Bank on the administration of the JJ/WBGSP at AIT. A visit of the JJ/WBGSP Scholarship Administrator is expected in March 2007.

Korean Corporate Sector

In June 2006, Dr. Kyul-Ho Kwak, former Korean Minister of Environment and currently President of Korea Water Resources Corporation (K-water) also delivered a speech on the direction of environmental policies in the Republic of Korea as part of an ongoing lecture series at AIT. This lecture was jointly organized by The Korea Water Corporation, Thailand and AIT. K-water representatives expressed interest in faculty visits to K-water and K-water representative visits to AIT, short-term programs, professional programs, enhancement of staff skills and joint research projects. Possible K-water collaboration could involve the Asian Development Bank, UNESCAP and AIT's Integrated Water Resources Management field of study. In addition, 14 students from AIT participated in an internship program at K-water in Korea for 2 months (June-July 2006) and K-water provided for accommodation, subsistence allowance, some meals and local transportation including cultural trips within Korea.

As a result of continuous communications with Thai Samsung Electronics, the company has contracted AIT to conduct a market research for their washing machine business. Other R&D projects are also being discussed.

Open Society Institute and Prospect Burma

AIT continues to seek scholarship opportunities for students from Myanmar through the Open Society Institute and Prospect Burma. The scholarships are provided for students in many fields of study and usually for those who have already been provided partial scholarships by other sources.

Thai Corporate Sector

As one of AIT's increasing collaboration with the Thai private sector, an agreement was signed with the SEAFCO Public Company Limited for master's scholarships for Thai students and for provisions of joint research projects. SEAFCO initiated the collaboration with AIT to promote research and development activities focusing on geotechnical issues in Thailand. The collaboration will provide opportunities for SEAFCO Research and Development team to participate in leading-edge academic research networks and strengthen their international research experience, under the Cooperative Research Initiative Program. SEAFCO will form the partnership with AIT's School of Engineering and Technology to exchange technical and academic information and materials, arrange joint seminars and organize joint research programs. The scholarship to be offered under the 'Supot Thasnanipan Scholarship' program was launched in dedication and memory of the late Mr. Supot Thasnanipan, the founder of SEAFCO and an AIT alumnus. During his time of leadership in SEAFCO, Mr. Supot intended to initiate scholarships for qualified Thai students to undertake advanced studies at AIT. The scholarship program, amounting to 1.9 million Baht, supports two master's degree students of Thai nationality to further their studies in the field of Geotechnical and Geo-environmental Engineering (with specialization in foundation engineering) in 2006 and 2007. SEAFCO also provides additional funding and other forms of support to the students in conducting field experiments of their thesis work in piled foundation and deep excavation research.

In March 2006, representatives from the Federation of Thai Industries (FTI) visited AIT to discuss ways in which FTI might collaborate with AIT. Furthermore, in June 2006, an AIT faculty team led by the Vice President for External Relations visited the FTI office and discussed about capacity building and joint research between AIT and industries. This resulted in FTI member companies being invited to partner AIT in undertaking research projects under the 'Royal Thai Government Joint Industrial Research Program'. These research projects would directly benefit the participating companies and/or the related industry in Thailand. The program aims to enable FTI member companies to make use of AIT's research capabilities, while AIT faculty members will have an opportunity to conduct research in solving real-world problems. Each joint industrial research project will be conducted under the financial scheme of 50% AIT funds and 50% matching funds from a

partner company. The difference of these joint projects from the traditional sponsored projects is the participation of researchers from the partner companies.

Vietnamese Corporate Sector

As part of AIT's efforts to increase partnership with the Vietnamese private sector, a delegation from the Ho Chi Minh City Investment Fund for Urban Development and Saigon-Tay Bac Joint Stock Company was received by AIT in July 2006. The delegation had fruitful discussions with the AIT President. They visited the School of Management to discuss future collaboration and also met Vietnamese students in SOM.

Partnership with Alumni

As of December 2006 graduation, 14,769 young professionals from 79 countries and territories have graduated from the Asian Institute of Technology (AIT).

In order to maintain and strengthen the existing partnership between the Institute and its alumni, the Alumni Relations Unit (ARU) under the External Relations and Communications Office (ERCO) has taken greater responsibilities with proactive efforts to work with the AIT Alumni Association (AITAA) Mother Chapter and its 27 National Chapters and Alumni at large to jointly promote AIT's academic programs as well as launch new initiatives that will contribute to the long term viability/sustainability of the Institute.

To mark the occasion of the 50th anniversary of the Institute, AIT has embarked on a Golden Jubilee Fund Raising Campaign. The alumni's role in this will be instrumental. The newly established Fund Raising Unit is working on this, and in coordination with ARU, will be contacting the AITAA Mother Chapter and National Chapters for their support.

AIT Prominent Alumni Lecture Series was introduced and jointly organized by AIT and AITAA Mother Chapter to provide recognition to AIT alumni who have distinguished themselves and their alma mater through lifetime achievement and professional accomplishments. Three lectures were organized in February, May and October 2005. No lecture could be organized in 2006, but efforts will be made in 2007 to give it continuity.

During official visits in the region, AIT President met with presidents, executive committee members, and members of AITAA-National Chapters. Many senior alumni and presidents of AITAA-National Chapters also visited AIT quite often.

On December 10, 2006, on behalf of the Institute, AIT delegation comprising of senior administrators, professors and staffs attended AITAA's 35th Governing Board Meeting held in Vientiane, Lao PDR. During the 35th GBM, the association extended honorary alumni membership to a number of senior AIT administrators and professors, including the Presi-

dent. At the same meeting, three current AIT faculty members were honored as Distinguished Alumni in the category of Academic/Research Excellence.

In order to keep the Alumni body informed, the quarterly AIT Alumni Newsletter (Electronic Version) has been published by ARU since June 2002. More recently, ARU started forwarding AIT President's Weekly Letter addressed to the AIT Community also to the alumni national chapter presidents in order to keep them informed about what is happening at AIT and the Institute's initiatives in the region. As a consequence, the alumni could propose and partner their alma mater in various initiatives.

For an official communication channel of AIT to its alumni body, a mailing list alumnibody@ait.ac.th comprising of over 9,200 active e-mail addresses of alumni is maintained.

— **Financial Statements and Auditors' Report** —

Audit report of Certified Public Accountant

To the Board of Trustees of Asian Institute of Technology

I have audited the accompanying balance sheet of Asian Institute of Technology as at 31 December 2006, and the related statements of revenues and expenses, changes in fund balances and cash flows for the year then ended. These financial statements are the responsibility of the Organization's management. My responsibility is to express an opinion on these financial statements based on my audit. The financial statements of Asian Institute of Technology for the year ended 31 December 2005 were audited by another auditor whose report dated 4 August 2006 expressed an unqualified opinion on those statements.

I conducted my audit in accordance with generally accepted auditing standards. Those standards require that I plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. I believe that my audit provides a reasonable basis for my opinion.

In my opinion, the financial statements referred to above present fairly, in all material respects, the financial position of Asian Institute of Technology as at 31 December 2006, and the revenues and expenses, the changes in fund balances and cash flows for the year then ended in accordance with generally accepted accounting principles appropriate for non-profit organization as set out in Note 2 to the financial statements.



(Maliwan Phahuwattanakorn)
Certified Public Accountant
Registration number 4701

KPMG Phoomchai Audit Ltd.
Bangkok
26 March 2007

Asian Institute of Technology
Balance Sheets
As at 31 December 2005 and 2004

Assets	<i>Note</i>	2006	2005
			<i>(in Baht)</i>
Current assets			
Cash and deposits at financial institutions	5	255,881,176	151,393,545
Fixed deposits	6	169,647,637	195,586,241
Accounts receivable	7	74,440,890	67,600,381
Receivables from Program fund		37,948,043	28,273,991
Inventories		296,397	398,524
Assets held on behalf of donors	10	448,222,532	431,987,744
Assets held on behalf of UNEP RRC.AP	11	200,384,761	225,737,851
Other current assets		29,833,405	22,574,282
Total current assets		1,216,654,841	1,123,552,559
Non-current assets			
Property and equipment	8	826,222,700	885,983,433
Advance deposits		245,216	245,216
Total non-current assets		826,467,916	886,228,649
Total assets		2,043,122,757	2,009,781,208
Liabilities and fund balances	<i>Note</i>	2006	2005
			<i>(in Baht)</i>
Current liabilities			
Accounts payable and accrued expenses	9	103,874,972	103,197,628
Advances from Program fund		230,772,214	172,509,745
Deposit payables		6,823,053	7,107,533
Due to donors, and liabilities, of Agency fund	10	448,222,532	431,987,744
Due to UNEP RRC.AP	11	200,384,761	225,737,851
Total current liabilities		990,077,532	940,540,501
Fund balances			
<i>Restricted</i>			
Endowment fund balances		154,814,706	131,580,259
Capital funds balances		838,299,664	895,849,330
General reserve		59,930,855	41,811,118
Total fund balances		1,053,045,225	1,069,240,707
Total liabilities and fund balances		2,043,122,757	2,009,781,208

The accompanying notes are integral part of these financial statements

Asian Institute of Technology
Statements of revenues and expenses
For the years ended 31 December 2006 and 2005

	Note	2006	2005
			<i>(in Baht)</i>
Revenues			
Tuition and other fees		510,989,854	477,164,925
Research grants and contracts		219,767,420	245,890,334
Support operations		152,496,517	153,702,925
Training		214,827,652	103,956,636
Other contributions		38,216,087	28,667,861
Faculty secondments		54,465,903	66,069,182
Total revenues		1,190,763,433	1,075,451,863
Expenses			
Salaries and benefits	12	606,323,266	646,118,696
Materials, supplies and services		204,666,595	262,036,348
Contracted services		90,277,455	87,875,674
Communication and travel		62,711,289	70,398,863
Utilities and insurance		55,766,259	41,401,457
Faculty secondments		54,465,903	66,069,182
Total expenses		1,074,210,767	1,173,900,220
Excess of revenues over (under) expenses		116,552,666	(98,448,357)
Depreciation	8	94,759,276	101,317,949
Excess of revenues over (under) expenses including depreciation		21,793,390	(199,766,306)
Non operating income/(expenses)			
Investment income		21,469,546	16,308,591
Gains (losses) on exchange rate		(30,000,783)	11,254,949
Gains (losses) on disposal of assets		(321,291)	1,692,417
Net excess of revenues over (under) expenses		12,940,862	(170,510,349)

The accompanying notes are integral part of these financial statements

Asian Institute of Technology
Statements of cash flows
For the years ended 31 December 2006 and 2005

	Note	2006	2005
<i>(in Baht)</i>			
Cash flows from operating activities			
Opening fund balances		1,069,240,707	1,265,769,118
Closing fund balances		<u>1,053,045,225</u>	<u>1,069,240,707</u>
Movement in fund balances		(16,195,482)	(196,528,411)
Adjustments to reconcile movement of fund balance			
(Gains) losses on disposal of assets		321,291	(1,692,417)
Depreciation		94,759,276	101,317,949
Unrealised (gains) losses on exchange rate		<u>57,139,911</u>	<u>(15,011,170)</u>
Movement in fund balance from operating activities before changes in operating assets and liabilities		136,024,996	(111,914,049)
<i>Changes in operating assets (increase) decrease:</i>			
Accounts receivable		(10,437,812)	7,334,072
Receivables from Program fund		(9,674,052)	66,942,084
Inventories		102,127	(1,502)
Other current assets		(7,259,123)	6,692,440
<i>Changes in operating liabilities increase (decrease):</i>			
Accounts payable and accrued expenses		677,344	(43,347,391)
Advances from Program fund		58,262,469	(111,662,742)
Deposit payables		<u>(284,480)</u>	<u>1,665,837</u>
Net cash provided by (used in) operating activities		<u>167,411,469</u>	<u>(184,291,251)</u>
Cash flows from investing activities			
(Increase) decrease in fixed deposits		5,120,452	(5,475,461)
Proceeds from disposal of equipment		1,913,391	4,591,879
Increase in property and equipment		<u>(37,233,225)</u>	<u>(145,241,517)</u>
Net cash used in investing activities		<u>(30,199,382)</u>	<u>(146,125,099)</u>
Cash flows from financing activities			
		-	-
Effects of foreign exchange translation on cash and cash equivalents			
		(32,724,456)	9,166,685
Net increase (decrease) in cash and cash equivalents		104,487,631	(321,249,665)
Cash and cash equivalents at beginning of year		<u>151,393,545</u>	<u>472,643,210</u>
Cash and cash equivalents at end of year	5	255,881,176	151,393,545
<i>Less: Deposits held as security for guarantee issued by Bank</i>		<u>(30,000,000)</u>	<u>(30,692,490)</u>
Cash and cash equivalents at end of year	5	<u>225,881,176</u>	<u>120,701,055</u>

The accompanying notes are integral part of the financial statements

**ASIAN INSTITUTE OF TECHNOLOGY
BALANCE SHEETS
AS AT 31 DECEMBER 2006 AND 2005**

Assets	Note	Restricted funds				Restricted capital funds			Total		
		Unrestricted current fund	General	Endowment fund	Program fund	Restricted general reserve	Property and equipment	Liquid assets	Agency Fund	31 December 2006	31 December 2005
<i>(in Baht)</i>											
Current assets											
Cash and deposits at financial institutions	5	20,341,476	(14,904,913)	33,835,220	152,029,588	51,582,070	12,983,594	14,141	-	255,881,176	151,393,545
Fixed deposits	6	8,650,054	364,344	120,849,064	31,695,254	8,088,921	-	-	-	169,647,637	195,586,241
Accounts receivable	7	27,242,329	12,748,587	-	34,449,974	-	-	-	-	74,440,890	67,600,381
Receivables from Program fund		-	-	-	37,948,043	-	-	-	-	37,948,043	28,273,991
Inventories		-	296,397	-	-	-	-	-	-	296,397	398,524
Assets held on behalf of donors	10	-	-	-	-	-	448,222,532	-	448,222,532	448,222,532	431,987,744
Assets held on behalf of UNEP RRC-AP	11	-	-	-	-	-	200,384,761	-	200,384,761	200,384,761	225,737,851
Other current assets		7,379,646	13,928,166	130,422	8,135,307	259,864	-	-	29,833,405	22,574,282	
Total current assets		63,613,505	12,432,581	154,814,706	264,258,166	59,930,855	12,983,594	14,141	648,607,293	1,216,654,841	1,123,552,559
Non-current assets											
Property and equipment	8	-	-	-	-	-	826,222,700	-	-	826,222,700	885,983,433
Advance deposits		181,355	63,861	-	-	-	-	-	-	245,216	245,216
Total non-current assets		181,355	63,861	-	-	-	826,222,700	-	-	826,467,916	886,228,649
Total assets		63,794,860	12,496,442	154,814,706	264,258,166	59,930,855	839,206,294	14,141	648,607,293	2,043,122,757	2,009,781,208
Liabilities and fund balances											
Current liabilities											
Accounts payable and accrued expense	9	62,178,821	7,289,428	-	33,485,952	-	906,630	14,141	-	103,874,972	103,197,628
Advances from Program fund		-	-	-	230,772,214	-	-	-	-	230,772,214	172,509,745
Deposits payable		1,616,039	5,207,014	-	-	-	-	-	-	6,823,053	7,107,533
Due to donors, and liabilities, of Agency fund	10	-	-	-	-	-	448,222,532	-	448,222,532	448,222,532	431,987,744
Due to UNEP RRC-AP	11	-	-	-	-	-	200,384,761	-	200,384,761	200,384,761	225,737,851
Total current liabilities		63,794,860	12,496,442	-	264,258,166	-	906,630	14,141	648,607,293	990,077,532	940,540,501
Fund balances											
Endowment fund balances		-	-	154,814,706	-	-	-	-	-	154,814,706	131,580,259
Capital funds balances		-	-	-	-	-	838,299,664	-	-	838,299,664	895,849,330
General reserve		-	-	-	-	59,930,855	-	-	-	59,930,855	41,811,118
Total fund balances		-	-	154,814,706	-	59,930,855	838,299,664	-	-	1,053,045,225	1,069,240,707
Total liabilities and fund balances		63,794,860	12,496,442	154,814,706	264,258,166	59,930,855	839,206,294	14,141	648,607,293	2,043,122,757	2,009,781,208

ASIAN INSTITUTE OF TECHNOLOGY
STATEMENTS OF REVENUE AND EXPENDITURE BY FUND
FOR THE YEARS ENDED 31 DECEMBER 2006 AND 2005

	Note	Restricted funds				Restricted capital funds		Total	
		Unrestricted current fund	General	Endowment fund	Program fund	Restricted general reserve (in Baht)	Property and equipment	Liquid assets	31 December 2006
Revenues									
Tuition and other fees		448,521,815	52,644,641	-	9,823,398	-	-	510,989,854	477,164,925
Research grants and contracts		3,743,925	310,425	-	215,713,070	-	-	219,767,420	245,890,334
Support operations		3,571,016	143,335,629	-	-	5,589,872	-	152,496,517	153,702,925
Training		-	1,167,260	213,660,392	-	-	-	214,827,652	103,956,636
Other contributions		7,114,256	9,749,659	-	21,352,172	-	-	38,216,087	28,667,861
Faculty secondments		-	54,465,903	-	-	-	-	54,465,903	66,069,182
Total revenues		462,951,012	261,673,517	21,352,172	439,196,860	5,589,872	-	1,190,763,433	1,075,451,863
Expenses									
Salaries and benefits	12	402,036,025	59,409,881	-	144,877,360	-	-	606,323,266	646,118,696
Materials, supplies and services		4,818,624	80,585,285	398,362	118,864,324	-	-	204,666,595	262,036,348
Contracted services		12,285,418	20,613,059	-	57,378,978	-	-	90,277,455	87,875,674
Communication and travel		7,679,978	13,211,529	-	41,819,782	-	-	62,711,289	70,398,863
Utilities and insurance		44,266,970	9,044,122	-	2,455,167	-	-	55,766,259	41,401,457
Faculty secondments		-	54,465,903	-	-	-	-	54,465,903	66,069,182
Total expenses		471,087,015	237,329,779	398,362	365,395,611	-	-	1,074,210,767	1,173,900,220
Excess of revenues over (under) expenses		(8,136,003)	24,343,738	20,953,810	73,801,249	5,589,872	-	116,552,666	(98,448,357)
Depreciation	8	-	-	-	-	-	94,759,276	94,759,276	101,317,949
Excess of revenues over (under) expenses including depreciation		(8,136,003)	24,343,738	20,953,810	73,801,249	5,589,872	(94,759,276)	21,793,390	(199,766,306)
Non operating income (expenses)									
Investment income		18,674,348	1,406,489	944,624	-	585,549	(13,590)	21,469,546	16,308,591
Gains (losses) on exchange rate		(23,273,421)	(6,727,362)	-	-	-	-	(30,000,783)	11,254,949
Gains (losses) on disposal of assets		-	-	-	-	-	(321,291)	(321,291)	1,692,417
Net excess of revenues over (under) expenses		(12,735,076)	19,022,865	21,898,434	73,801,249	6,175,421	(95,094,157)	12,940,862	(170,510,349)

The accompanying notes are integral part of the financial statements

Notes to the financial statements

For the years ended 31 December 2006 and 2005

These notes form an integral part of the financial statements.

The financial statements were authorized for issue by the President of the Institute on 26 March 2007.

1. General information

The Asian Institute of Technology (the Institute) is an international post-graduate institution. The Institute operates on not-for-profit basis. The Institute is located at Km 42 Paholyothin Highway, Klong Luang, Pathum Thani, Thailand.

The principal activities of the Institute are providing programs in engineering, science, advanced technologies and related management and administration.

2. Basis of preparation of financial statements

The financial statements issued for Thai reporting purposes are prepared in the Thai language. This English translation of the financial statements has been prepared for the convenience of readers not conversant with the Thai language.

The financial statements are presented in Thai Baht. They are prepared on the historical cost basis except for those items specified in the notes to financial statements.

The preparation of financial statements in conformity with TAS requires management to make judgements, estimates and assumptions that affect the application of policies and reported amounts of assets, liabilities, income and expenses. The estimates and associated assumptions are based on historical experience and various other factors that are believed to be reasonable under the circumstances, the results of which form the basis of making the judgements about carrying amounts of assets and liabilities that are not readily apparent from other sources.

The estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognised in the period in which the estimate is revised, if the revision affects only that period, or in the period of the revision and future periods, if the revision affects both current and future periods.

Fund Accounting

To ensure observance of limitations and restrictions placed on the use of the resources available to the Institute, the books of account of the Institute are maintained in accordance with the principles of "fund accounting" which is appropriate for non-profit organization. This is the procedure by which resources for various purposes are classified for accounting and reporting purposes into funds, which are in accordance with activities or objects specified. Within each fund group, fund balances which are restricted by outside sources are so indicated and are distinguished from unrestricted fund allocated to specific purposes by action of the governing board. The governing board retains full control of unrestricted funds to use in achieving institutional objectives.

The purposes and objects of the funds are as follows:

Unrestricted Current Fund (Fund 10)

This fund is the operating account of AIT. It is available for general operating purposes without

restrictions, such as might be imposed by a grant agency or donor.

Restricted Fund-General (Fund 21)

The use of this fund is restricted to those units holding non-profit making status. This includes: AIT Center, AITCV, certain campus services, academic-related services supporting academic units and certain administrative functions.

Restricted Endowment Fund (Fund 22)

The Endowment Fund is used where donors have stipulated, as a condition of their gift, that the principal is to be maintained inviolate and in perpetuity. Some, or all, of the income from the investments may be used to further the objectives of the endowment.

Restricted Fund-General Reserve (Fund 23)

Donors and other agencies have granted funds to the Institute on the basis that the principal is held inviolate and in perpetuity. The income from the fund is available to the Institute to be expended in accordance with agreements established by the gifting party at the point of the donation or grant. The Board of Trustees stipulates that the surplus of the unrestricted current fund each year is transferred to the General Reserve and that the funds must be held for future use.

Sponsored Program Fund (Fund 30)

The sponsored program fund is subject to restrictions by donors or other agencies limiting its use to funding specific research projects, conferences, short courses, workshops or similar projects.

Capital Fund (Fund 41)

This fund holds the Institute's property, plant and equipment, including library books.

Capital Fund - Liquid Assets (Fund 42)

This fund records the renovations, repairs and replacement to the existing assets.

Agency Fund (accounted for as Fund 50)

These funds are held on behalf of donors and other agencies and are disbursed in accordance with their instructions. AIT has no title to these funds and the associated revenues and expenses have been excluded from the statement of revenues and expenses. The assets held on behalf of these others have been disclosed in the balance sheet together with the associated liability for the same amount to these other parties.

3. Restatement of form and content of financial statements

The Institute undertook a fundamental review of the form and content of its financial statements. There were two major drivers to the restatement. First the Institute desired to show the financial statements on a basis which gave a clearer view of its affairs. Second, that funds to which the Institute has no title,

the escrow funds held on behalf of third parties, are clearly identified as such.

During 2005, the Institute presented the funds to which the Institute has no title, the escrow funds held on behalf of third parties, separately from its own funds. The Institute presented the negative fund balances of the Program Fund as receivables from Program Fund and the positive fund balances as Advances from Program Fund.

4. Significant accounting policies

(a) Basis of preparation

The financial statements of the Institute comprise the funds of the Institute and those of its branch to which it holds title.

Branch

A Branch is an autonomous or semi-autonomous operating entity within an organization and which does not have a separate legal identity. The Branch will have separately identifiable assets, liabilities, cash flows, revenues and expenses over which it has accountability.

(b) Foreign currencies

Foreign currency transactions

Transactions in foreign currencies are translated at the foreign exchange rates ruling at the date of the transaction.

Monetary assets and liabilities denominated in foreign currencies at the balance sheet date are translated to Thai baht at the foreign exchange rates ruling at that date. Foreign exchange differences arising on translation are recognized in the statement of revenues and expenses.

Non-monetary assets and liabilities that are measured in terms of historical cost in a foreign currency are translated using the foreign exchange rates ruling at the date of the transaction. Non-monetary assets and liabilities denominated in foreign currencies that are stated at fair value are translated to Thai baht at the foreign exchange rates ruling at the date that fair value was determined.

Foreign entities

The assets and liabilities of foreign entities are translated to Thai baht at the foreign exchange rates ruling at the balance sheet date.

The revenues and expenses of foreign entities, excluding foreign entities in hyperinflationary economies, are translated to Thai baht at rates approximating the foreign exchange rates ruling at the dates of the transactions.

(c) Cash and cash equivalents

Cash and cash equivalents comprise cash balances, call deposits and highly liquid short-term investments.

(d) Accounts and other receivables

Accounts and other receivables are stated at their invoice value less impairment losses.

Any impairment loss on doubtful receivables is assessed primarily on analysis of payment histories and future expectations of customer payments. Allowances made are based on historical write-off patterns and the aging of accounts receivables. Bad debts are written off when incurred.

(e) Inventories

Inventories are stated at the lower of cost and net realizable value.

Cost is calculated using the first in first out method and comprises all costs of purchase, costs of conversion and other costs incurred in bringing the inventories to their present location and condition.

Net realizable value is the estimated selling price in the ordinary course of business less the estimated costs necessary to make the sale.

An allowance is made for all deteriorated, damaged, obsolete and slow-moving inventories.

(f) Property and equipment

Owned assets

Property and equipment are stated at cost less accumulated depreciation and impairment losses. The cost of self-constructed assets includes the cost of materials, direct labor, the initial assessment of the costs of dismantling (if relevant) and an appropriate proportion of production overheads.

Property that is being constructed or developed for future use as investment property is classified as property and equipment and stated at cost until construction or development is complete, at which time it is reclassified as investment property.

Donated assets are stated at fair value at the time of donation, deemed cost. Subsequently they are stated at the deemed cost less accumulated depreciation.

Subsequent expenditure

Subsequent expenditure relating to an item of property and equipment is added to the carrying amount of the asset when it is probable that the future economic benefits in excess of the originally assessed standard of performance of the existing asset will flow to the Institute. All other subsequent expenditure is recognized as an expense in the period in which it is incurred.

Depreciation

Depreciation is charged to the statement of revenues and expenses on a straight-line basis over the estimated useful lives of each part of an item of buildings and equipment. The estimated useful lives are as follows:

Buildings	20 to 40 years
Furniture and equipment	5 to 10 years
Motor vehicles	8 to 15 years
Library acquisitions	6 years

No depreciation is provided on assets under construction.

The Institute calculated depreciation of each item of buildings and equipment on a monthly basis without considering the date using of those assets. The management of the Institute believes that the differences from the said method of calculation are immaterial.

(g) Employee benefit

Defined contribution plans

Obligations to defined contribution pension plans are recognized as an expense in the statement of revenues and expenses as incurred.

(h) Provisions

A provision is recognized in the balance sheet when the Institute has a present legal or constructive obligation as a result of a past event, and it is probable that an outflow of economic benefits will be required to settle the obligation and a reliable estimate can be made of the amount of the obligation. If the effect is material, provisions are determined by discounting the expected future cash flows at a pre-tax rate that reflects current market assessments of the time value of money and, where appropriate, the risks specific to the liability.

(i) Payables

Payables are stated at cost.

(j) Revenue

Revenue received for the provision of goods and services are recognized in the period in which the goods are provided or the services rendered.

Grant income

Grant income is recognized when it is received due to the inherent uncertainty involved in both the rights to the revenue and the timing of the revenue.

Donations

Due to the absence of any obligation on the donor to make the donation and the uncertain nature of the timing of receipt, donations have to be recognized on a cash basis.

Contribution in kind

These represent services donated to the Institute in the form of a secondment of faculty or staff and where the value is estimated based on the approved Institute professional salary scale. The amounts are recognized as revenues and expenses in the restricted general fund.

Investment income

Investment income is recognized on an accrual basis.

(k) Expenses

Expenses are recognized in the period they are incurred. Interest expense is recognized in the statement of revenues and expenses as it accrues.

(l) Income tax

No income tax provision is made in the financial statements as the Institute is exempt from payment of income tax in accordance with the notification issued in the Royal Gazette dated 25 October, 2510 B.E. (1967).

According to the announcement of Ministry of Finance, the Institute has been exempted from Value Added Tax (VAT), except for services rendered by conference center following to Section 4(4) of the Royal Decree issued following to the Revenue Code which mentioned about VAT exemption (Book number) 239, 2534 B.E. (1991).

5. Cash and cash equivalents

	2006	2005
	<i>(in Baht)</i>	
Bank accounts	56,837,549	64,762,618
Time deposits with maturity three months or less than	199,043,627	86,630,927
Cash and deposits at financial institutions	255,881,176	151,393,545
Less Bank deposits pledged as collateral	(30,000,000)	(30,692,490)
Cash and cash equivalents ñ net of collateral	225,881,176	120,701,055

As at 31 December 2006, time deposits of Baht 30,000,000 (2005: Baht 30,692,490) is pledged to secure a bank overdraft and provide collateral for outstanding letters of guarantee issued by the same bank (see note 16).

6. Fixed deposits

	2006	2005
	<i>(in Baht)</i>	
Time deposits with maturity more than three months	169,647,637	195,586,241

7. Accounts receivable and accrued income

	2006	2005
	<i>(in Baht)</i>	
Tuition and other fees	28,613,870	27,570,911
Others	45,827,020	40,029,470
Total	74,440,890	67,600,381

As at 31 December 2006, the Institute has outstanding balances of accounts receivable aged by number of months since due date as follows:

	2006	2005
	<i>(in Baht)</i>	
Current	21,330,520	20,282,122
Overdue less than 1 months	4,231,949	4,865,054
Overdue 1 month to 3 months	6,498,861	8,909,534
Overdue 3 months to 6 months	18,656,131	12,915,981
Overdue 6 months to 12 months	7,167,605	7,926,744
Overdue 12 months	16,555,824	12,700,946
Total	74,440,890	67,600,381
Less : allowance for doubtful accounts	-	-
Net	74,440,890	67,600,381

As at 31 December 2006, accounts receivable which had been overdue for more than 12 months amounts to Baht 16.56 million (2005: Baht 12.70 million) are the outstanding amounts for Unrestricted Current Fund and Restricted Fund. Management has advised that the outstanding amounts are collectible based on their previous experience of recovering individual student fees in the long-term.

8. Property and equipment

	Campus Development	Buildings	Furniture & Equipment	Motor Vehicles	Library Assets	Construction in Progress	Total
<i>(in Baht)</i>							
<i>Cost</i>							
At 1 January 2005	48,005,172	1,069,181,935	762,487,961	27,091,747	231,932,691	18,075,870	2,156,775,376
Additions	310,998	56,397,826	62,257,934	12,712,427	10,769,846	2,792,486	145,241,517
Disposals	-	-	(264,727)	(9,689,706)	-	-	(9,954,433)
Transfers	-	-	-	-	-	-	-
At 31 December 2005	48,316,170	1,125,579,761	824,481,168	30,114,468	242,702,537	20,868,356	2,292,062,460
Additions	313,320	195,746	25,370,497	29,000	10,215,888	1,108,774	37,233,225
Disposals	-	-	(626,591)	(5,684,321)	-	-	(6,310,912)
Transfers	-	15,115,437	4,884,552	681,276	-	(20,681,265)	-
At 31 December 2006	48,629,490	1,140,890,944	854,109,626	25,140,423	252,918,425	1,295,865	2,322,984,773
<i>Accumulated depreciation</i>							
At 1 January 2005	-	451,448,432	650,760,551	18,475,637	191,131,429	-	1,311,816,049
Depreciation charge for the year	-	25,835,723	55,341,151	3,162,851	16,978,224	-	101,317,949
Impairment losses	-	-	-	-	-	-	-
Disposals	-	-	(193,658)	(6,861,313)	-	-	(7,054,971)
Transfers	-	-	-	-	-	-	-
At 31 December 2005	-	477,284,155	705,908,044	14,777,175	208,109,653	-	1,406,079,027
Depreciation charge for the year	-	32,662,741	44,981,895	3,343,733	13,770,907	-	94,759,276
Impairment losses	-	-	-	-	-	-	-
Disposals	-	-	-	(4,076,230)	-	-	(4,076,230)
Transfers	-	-	-	-	-	-	-
At 31 December 2006	-	509,946,896	750,889,939	14,044,678	221,880,560	-	1,496,762,073
<i>Net book value</i>							
At 31 December 2005	48,316,170	648,295,606	118,573,124	15,337,293	34,592,884	20,868,356	885,983,433
At 31 December 2006	48,629,490	630,944,048	103,219,687	11,095,745	31,037,865	1,295,865	826,222,700

The Institute entered into an agreement with the Ministry of Finance to lease land for 30 years from 19 January 1971 to 18 January 2001; on expiry of the lease agreement it gave the Institute the right to continue to lease the land. The Council of State ruled that the rightful entity with which the Institute should sign a new lease agreement is Thammasat University. The Institute successfully renewed the lease with the Thammasat University on 10 June 2005. The new lease also contains a Memorandum of Understanding between the Institute and Thammasat University, concerning academic co-operation, as an integral part of the new lease agreement (see note 16).

Depreciation for the year ended 31 December 2006, amounted to Baht 94.76 million (2005: Baht 101.32 million) was included in the statement of revenues and expenses.

As at 31 December 2006, the Company's assets with original cost of Baht 848.52 million (2005: Baht 768.73 million) was fully depreciated but are still in use.

9. Accounts payable and accrued expenses

	2006	<i>(in Baht)</i>	2005
Owing to suppliers	7,319,792		12,124,476
Advance received from donors	1,355,474		1,208,371
Provision for ISF tax	19,086,617		22,550,142
Advance from students	13,594,563		25,620,103
Accruals	8,101,566		2,345,136
Tax payable	13,260,369		11,678,459
Payables to staff	4,999,357		2,082,110
Other liabilities	36,157,233		25,588,831
Total	103,874,971		103,197,628

10. Assets held on behalf of, and amounts due to, donors

The agency fund represents amounts held on behalf of donors and other agencies and are disbursed in accordance with their instructions. AIT has no title to these funds or the associated revenues and expenses. The revenues generated and expenses made by the fund are as follows:

	2006	<i>(in Baht)</i>	2005
Funds received from donors	400,261,105		255,653,321
Application of funds			
- Salaries and other benefits	48,093,480		55,703,165
- Scholarships	302,031,431		239,333,503
- Contracted services	895,002		860,748
- Communication and travel	2,751,452		4,732,209
- Difference in exchange rate	-		8,187,651
Total funds applied	353,771,365		308,817,276
Surplus/(deficit) for the year	46,489,740		(53,163,955)
Assets held on behalf of donors comprise:			
Cash and deposits at financial institutions	447,898,916		421,472,342
Fixed deposits	-		1,793,988
Accounts receivable	323,616		8,721,414
Total assets held on behalf of donors	448,222,532		431,987,744
Opening amounts due to donors	416,164,604		395,214,929
Surplus/(deficit) for the year	46,489,740		(53,163,955)
Transfers from other funds	-		81,502,644
Transfers to other funds	(19,452,075)		(7,389,014)
Closing amounts due to donors	443,202,269		416,164,604
Liabilities	5,020,263		15,823,140
Closing amounts due to donors and liabilities	448,222,532		431,987,744

11. Assets held on behalf of, and amounts due to, UNEP RRC.AP

	2006	2005
		<i>(in Baht)</i>
Funds received from UNEP RRC.AP	215,929,643	166,083,966
Total funds applied	<u>161,029,894</u>	<u>132,222,212</u>
Surplus/(deficit) for the year	<u>54,899,749</u>	<u>33,861,754</u>
Assets held on behalf of UNEP RRC.AP comprise:		
Cash and deposits at financial institutions	197,076,567	223,360,452
Accounts receivable	1,634,436	480,880
Fixed assets	<u>1,673,758</u>	<u>1,896,519</u>
Total assets held on behalf of UNEP RRC.AP	<u>200,384,761</u>	<u>225,737,851</u>
Opening amounts due to UNEP RRC.AP	134,063,927	100,192,598
Surplus/(deficit) for the year	54,899,749	33,861,754
Transfers from other funds	-	9,575
Closing amounts due to UNEP RRC.AP	188,963,676	134,063,927
Liabilities	<u>11,421,085</u>	<u>91,673,924</u>
Closing amounts due to UNEP RRC.AP and liabilities	<u>200,384,761</u>	<u>225,737,851</u>

12. Salaries and benefit

	2006	2005
		<i>(in Baht)</i>
Wages and salaries	521,276,210	516,768,536
Social security costs	7,485,697	5,894,540
Pension costs	25,507,326	35,186,793
Income tax	22,265,538	20,280,048
Other costs	<u>29,788,495</u>	<u>67,988,779</u>
Salaries and benefit	<u>606,323,266</u>	<u>646,118,696</u>

(number of employees)

Number of employee as at 31 December	903	1,046
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13. AIT Center in Vietnam (AITCV)

The Institute has a branch operation in Hanoi, Vietnam. The purpose of the Vietnamese operation is to:

- Educate and train various forms of scientists, technocrats and business managers; and
- Organization research and development activities as well as the transfer of technologies as required by the economic development of the country.

The results of the operation are summarized below and have been included in the results of the Restricted Fund ñ General (Fund 21)

	2006	2005
		<i>(in Baht)</i>
Revenues	59,530,296	72,103,996
Expenses	<u>64,692,832</u>	<u>54,836,585</u>
Excess of revenue over (under) expenses	<u>(5,162,536)</u>	<u>17,267,411</u>

Financial statements for the years ended 31 December 2006 and 2005 have been produced and approved by the management of the branch.

Significant accounting transactions between the Institute and its branch were eliminated from these financial statements.

14. AIT Insured saving fund

The Institute and its staff jointly operated an Insured Savings Fund post-retirement defined contribution scheme. With effect from 1 February 2004, a Provident Fund has replaced the Insured Saving Fund. The Institute contributes to the fund as the rate of 10% of salary earned, and the employees are allowed to contribute 3% to 10% of gross salary. With effect from 1 April 2006, the Institute contributes to the fund as the rate of 5% of salary earned, and the employees are allowed to contribute 3% to 5% of gross salary. The fund is managed by TISCO Assets Management Co., Ltd. The assets of the Insured Saving Fund were substantially transferred to the new Provident Fund.

15. Commitments and contingent liabilities

As at 31 December 2006 and 2005, the Institute has commitments and contingent liabilities as follows:

- Bank guarantees amounting to approximately Baht 3.17 million (2005: Baht 3.60 million) were issued by a bank on behalf of the Institute in respect of certain performance bonds as required in the normal course of operations of the Institute.
- There are five labour cases pending for trial at the Court involving with the claims under the Labour Protection Law and the Labour Relation Law. Four cases have been decided by the Central Labour Court favourably to the Institute. However, the four cases are still pending in the Supreme Court. The management believes that the Supreme Court will decide in favour of the Institute. Another case is pending for trial in the Central Labour Court. The management also believes that the Institute will win the case.

16. Land lease

As disclosed in Note 8 the Institute entered into a new Land Lease Agreement (Lease) in respect of the site that the Institute occupies. The thirty-year Lease was signed on 10 June 2005. The Lease was obtained at a significant discount to the market rental rates. However, the consideration for this discount is that should the lease not be renewed and the land revert to Thammasat University (University), or its successor as the landlord, all buildings and infrastructure on the Institute site will become the property of the University or its successor as landlord.

Furthermore, the Lease is contingent on a Memorandum of Understanding (MOU) between the University and the Institute. The MOU provides that the Institute will make available and fund a total of sixty scholarships over the thirty-year life of the Lease. Scholarships made in accordance with the MOU will cover tuition fees for qualified lecturers from the University, selected by the University, to pursue a Doctoral degree at the Institute. As at 31 December 2006, the Institute can only estimate that the cost of this commitment, at today's values, will be approximately Baht 77.76 million.

17. Disclosure of financial instruments

The Institute does not speculate or engage in the trading of any derivative financial instruments.

Accounting policies

Details of significant accounting policies and methods adopted, including the criteria for recognition, the basis of measurement and the basis on which revenues and expenses are recognized, in respect of each class of financial assets and financial liabilities are disclosed in Note 4 to the financial statements.

Credit risk

Credit risk is the risk arising from failure of customer to meet their contractual obligations, which may eventually cause financial losses.

The Institute is exposed to credit risk for the supply of educational services to enrolled primarily self-funding students. The Institute does not perform a credit evaluation on enrolling or enrolled students, nor does it seek any collateral in respect of fees for future years from enrolled students. The Institute does not operate a global credit risk management policy. Rather, individual perceived credit risks are identified and policies put in place to manage those risks.

Interest rate risk

Interest rate risk is the uncertainty in value of assets, financial debts or net interest income as a result of the fluctuations of the market interest rate.

The deposit rates of all financial assets are based on market rates. The Institute does not have an interest rate risk management policy.

Foreign currency risk

Currency risk occurs when the value of financial instruments changes in accordance with the fluctuations of the exchange rate, which may affect gain/loss on foreign exchange currency of the present and future years.

The Institute insures foreign currency risk when receives payment for tuition and fees and makes payment of purchases of equipment in currencies other than Thai Baht. The Institute does not have a foreign currency risk management policy.

Estimated fair value of financial instruments

Fair values have been estimated by the Institute using available market information and appropriate valuation methodologies. The methods and assumptions in estimating fair value of financial instruments are as follows:

The fair value of cash on hand and cash at banks, accounts receivable and accounts payable are their carrying value presented in balance sheet.

18. Reclassification of accounts

Certain accounts in the 2005 financial statements have been reclassified to conform with the presentation in the 2006 financial statements.

Abbreviations

ADB	Asian Development Bank
ADB-JSP	ADB-Japan Scholarship Program
ADA	Austrian Development Agency
AIT	Asian Institute of Technology
AITAA	Asian Institute of Technology Alumni Association
AIT-CI	AIT Center Indonesia
AIT-CV	AIT Center Vietnam
ARRPEEC	Asian Regional Research Program in Energy, Environment and Climate
ARRPET	Asian Regional Research Program on Environmental Technology
ARU	Alumni Relations Unit
ASEAN	Association of South East Asian Nations
CIDA	Canadian International Development Agency
DAAD	German Academic Exchange Service
Danida	Danish International Development Agency
EC	European Commission
ESCP-EAP	European School of Management, France
EU	European Union
FTI	Federation of Thai Industries
GIS	Geographic Information System
GTE	Geotechnical Engineering
GTZ	German Technical Cooperation
ICM	Information and Communications Management
ICT	Information and Communications Technology
IDRC	International Development Research Centre, Canada
IGS	International Geosynthetics Society
INT	Institute of National Telecom, France
IWA	International Water Association
IWRM	Integrated Water Resources Management
JAXA	Japan Aerospace Exploration Agency
JJ/WBGSP	Joint Japan/World Bank Graduate Scholarship Program
JST	Japan Science and Technology
KMIT	King Mongkut Institute of Technology
KOICA	Korea International Cooperation Agency
MOET	Ministry of Education and Training, Vietnam
MSU	Michigan State University
MTERM	Modeling Tools for Environment and Resources Management
NANOTEC	National Nanotechnology Center, Thailand
NAQDA	National Aquaculture Development Authority, Thailand
NECTEC	National Electronics and Computer Technology Center, Thailand
NECORD	Northeast Community Restoration and Development Project, Thailand
NGO	Non-Governmental Organization
NORAD	Norwegian Agency for Development Cooperation
NSTDA	National Science and Technology Development Agency, Thailand
NTNU	Norwegian University of Science and Technology
NUOL	National University of Laos
OTM	Offshore Technology and Management
PPP	Public Private Partnerships
RTG	Royal Thai Government
RUPP	Royal University of Phnom Penh
SAARC	South Asian Association for Regional Cooperation
SAREC	Department for Research Cooperation, Sida
SDP	Strategic Development Plan
SEA-UEMA	SEouthEast Asia Urban Environmental Management Applications
SERD	School of Environment, Resources and Development
SET	School of Engineering and Technology
Sida	Swedish International Development Cooperation Agency
SINTEF	Foundation for Scientific and Industrial Research, Norway
SME	Small and Medium Enterprise
SOM	School of Management

TOEFL	Test of English as a Foreign Language
TRS	Thai Robotics Society
UEM	Urban Environmental Management
UKM	Universiti Kebangsaan Malaysia
UMP	Urban Management Program
UNESCO	United Nations Educational, Scientific and Cultural Organization
UNEP ROAP	United Nations Environment Programme Regional Office for Asia and the Pacific
UNESCAP	United Nations Economic and Social Commission for Asia and the Pacific
UN Habitat	United Nations Human Settlements Programme
UNICEF	United Nations Children's Fund
UNU	United Nations University
USAID	United States Agency for International Development
UTM	Universiti Teknologi Malaysia
WAP	Wetland Alliance Program
WFP	World Food Program



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