



Know your Researcher
@
Asian Institute of Technology

Edition July 2011 : Dr Kunnawee Kantipong

Profile: Kunnawee Kanitpong

Position:

Assistant Professor
Transportation Engineering
School of Engineering and
Technology

Email: kanitpon@ait.ac.th



Education:

- ◎ **Ph.D.**, University of Wisconsin - Madison, 2004
- ◎ **M.Eng.**, University of Maryland at College Park, 1999
- ◎ **B.Eng.**, Chulalongkorn University, 1997

Research Interests

- Road traffic safety
- Accident data analysis
- Geometric Design and Highway Safety
- Pavement Analysis and Design
- Highway Materials and Construction
- Rheology Testing of Asphalt Binder
- Asphalt Mixture Design and Analysis
- Performance Testing of Asphalt Mixture
- Pavement Management Systems



Roadside Hazard Improvement

- Sponsor: Department of Highways
- Objectives: To assess roadside accidents situation and the existing safety devices used for Thailand Highways



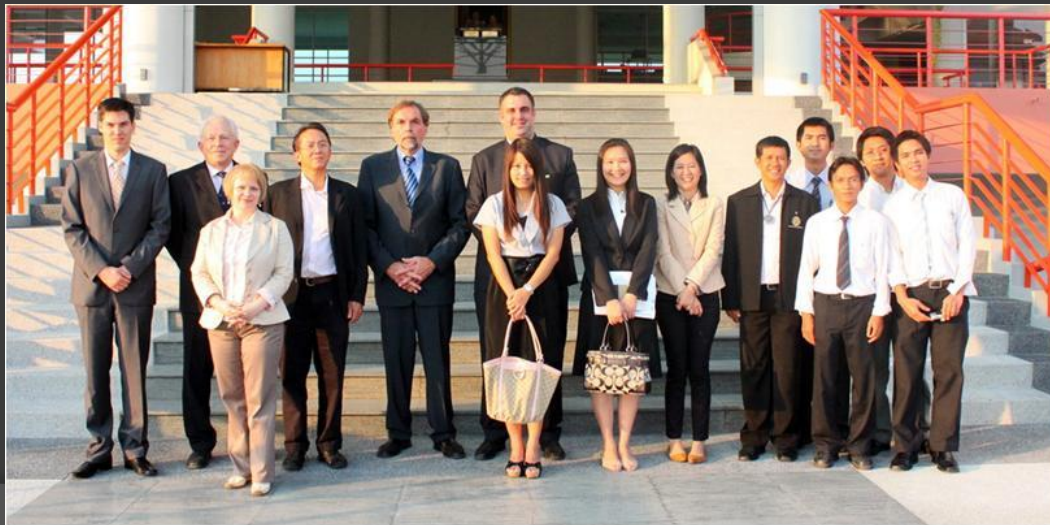
Road Safety Watch Project

- Sponsor: ThaiRoads Foundation
- Objectives: To develop a road user's risk behavior assessment system and monitor a road safety situation in Thailand and propose a technical cooperative to relevant organizations.



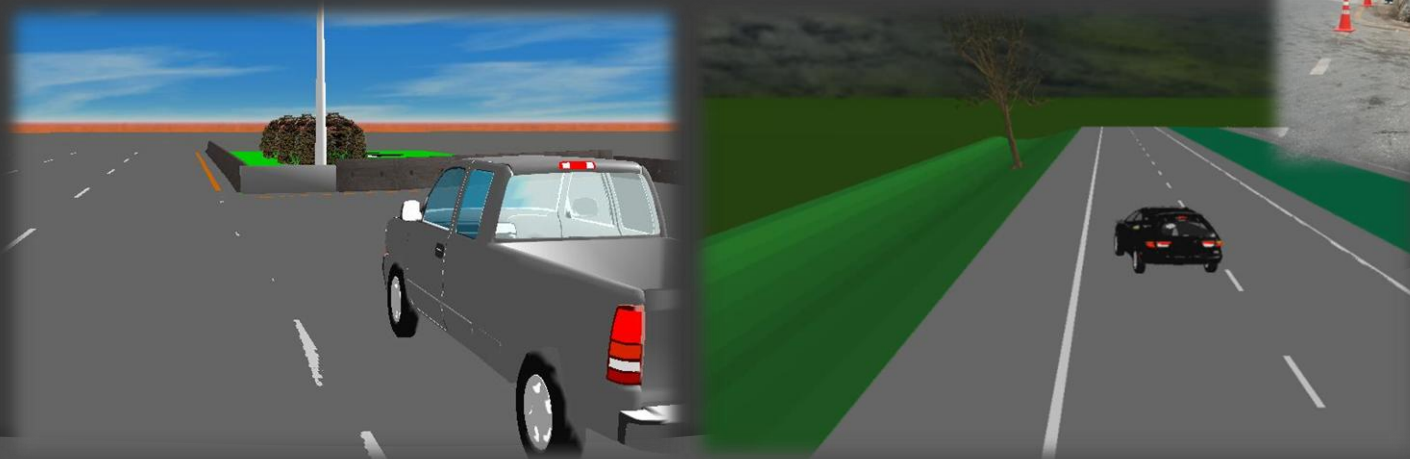
Improving Road Traffic Safety in Thailand: A Common Challenge for Europe and Thai University

- ◉ Sponsor: European Commission
- ◉ Objectives: Introduce new Methodology for Design Guideline Implementation in Thailand based on International Knowledge Exchange



Road Safety Knowledge Development and Dissemination

- Sponsor: Department of Highways
- Objectives: To develop road safety knowledge as well as the technical and institutional capacity of Thailand to address the road safety problems.



Analysis of Accident Cost in Thailand by Willingness-To-Pay Method

- Sponsor: Mitsui Sumitomo Insurance Welfare Foundation
- Objective: To estimate the accident cost by using the WTP in Thailand

Evaluation of Drivers' Attitudes on Speed management Strategies

- Sponsor: Mitsui Sumitomo Insurance Welfare Foundation
- Objective: To gain insight into public acceptability of speed management schemes in the context of Thailand

Promotion Cool Pavement to Mitigate the Urban Heat Island Effect in Bangkok

- Sponsor: Royal Thai Government (RTG)
- Objective: to examine the feasibility of using cool pavements for various applications in both technical and economical aspects



Evaluation of Performance of Porous Asphalt Pavement

- Sponsor: Royal Thai Government (RTG)
- Objective: To evaluate the functions of porous asphalt pavement surface in terms of resistance to rutting, permeability, tire/pavement noise generation, and skid resistance.



Graduate Courses Taught :

- ① Design and Performance of Highway and Airport Pavement
- ① Geometric Design and Highway Safety
- ① Pavement Management Systems
- ① Transportation Economics and Project Evaluation
- ① Transportation Systems



Highway Materials Testing Laboratory

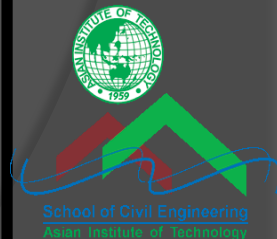
School of Civil Engineering
Asian Institute of Technology



Thailand Accident Research Center



ROAD SAFETY IS NO ACCIDENT
Knowledge Save Lives



Thank you.....

If you would like to highlight your research activities do send in your inputs to

scpo@ait.ac.th