Know your Researcher @
Asian Institute of Technology

Edition April 2011 : Prof Phan Minh Dung

Prof Phan Minh Dung

- Professor of Department of Computer Science and Information Management at Asian Institute of Technology
- M.Sc, Ph.D., in Computer Science, Dresden University of Technology, Germany

Research themes

- Artificial Intelligence,

- Argumentation, and MultiAgent

- Knowledge Representation, Logic programming and Programming languages

- Trust and Security

Courses

- Theory of Computation

- Principles of programming languages and compilers

- Computer Security

Community services

- Associate Editor of the Artificial Intelligence Journal

- Corner editor on Argumentation for the Journal of Logic and Computation

- Member of Editorial Board of the Argument & Computation Journal

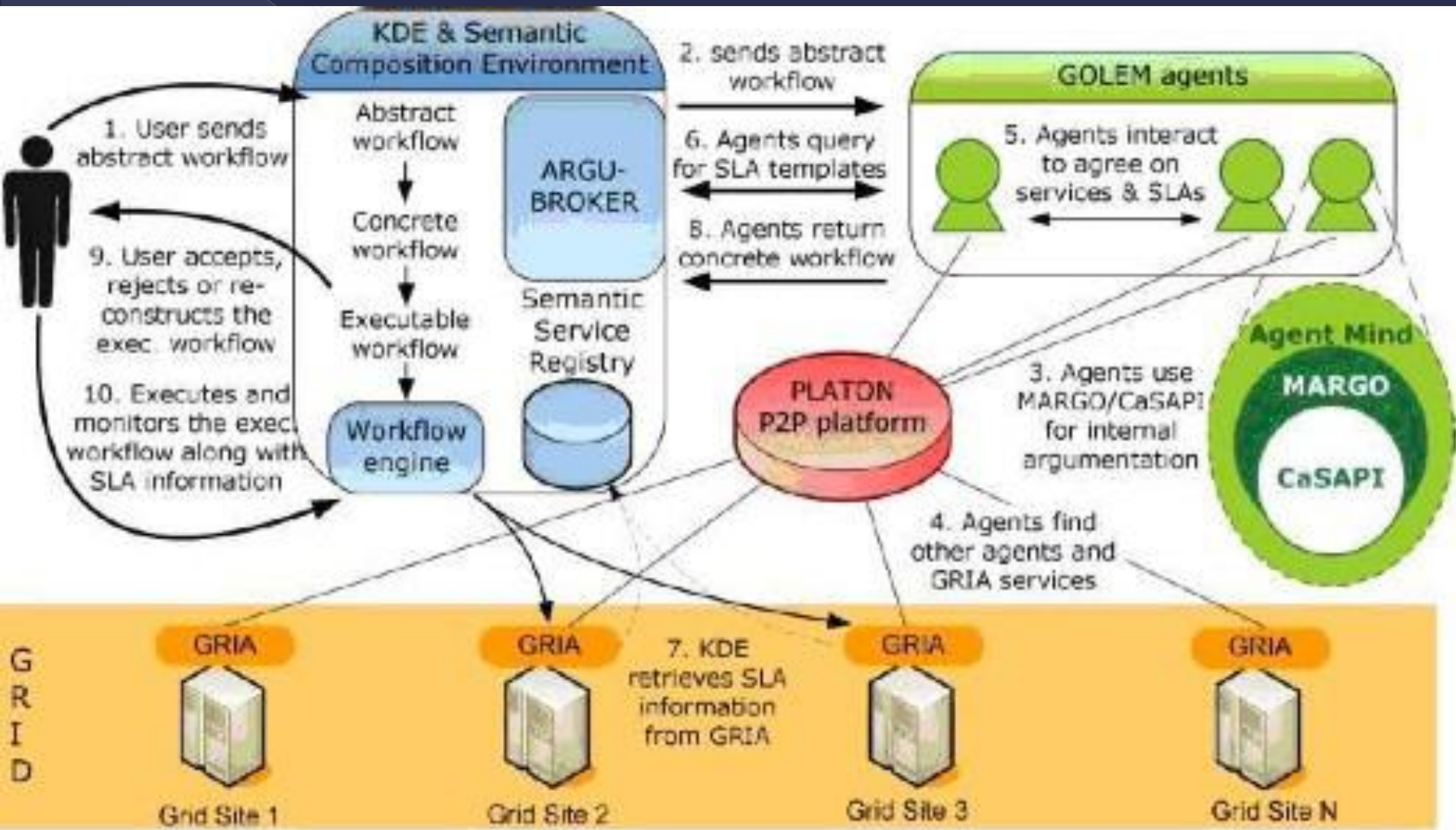- Advisor to Editorial Board of the Theory and Practice of Logic Programming

Argumentation

- Principle of Argumentation in real-life:
  "*she/he who laughs last, laughs best*"

- Formal Argumentation provides a formal foundation for this principle, making it possible to design software agents capable of engaging in human-like argumentation.

- Key reference: P.M. Dung: "On the Acceptability of Arguments and its Fundamental Role in Nonmonotonic Reasoning, Logic Programming and n-Person Games",
  Artificial Intelligence,Volume 77 Issue 2, Sept. 1995, Elsevier Science Publishers

Argumentation

There are many applications. At AIT we apply it to:

- Decision making, negotiation and persuasion

- Legal reasoning, contract design and dispute resolution

- Knowledge representation and Programming

Argumentation as a foundation for the Semantic GRID

Home page: http://www.argugrid.eu

AGRUGRID's contributions

Supporting the interactions between service providers/consumers.

- Supporting rational decision-making, negotiation, for orchestration of services and contracts.

- Supporting the creation, management and dynamic evolution of virtual organizations, to compose individual services into more complex ones.

- Supporting the discovery of service providers/agents at large scale, using multiple selection criteria.

Consortium

- Imperial College London, UK
- Royal Holloway, University of London, UK
- Pisa University, Italy
- National Technical University of Athens, Greece
- Asian Institute of Technology, Thailand
- InforSense LTD UK
- GMV S.A., Spain
- cosmoONE Hellas MarketSite S.A, Greece

Thank You

To know more visit:

http://cs.ait.ac.th/~dung

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

scpo@ait.ac.th