

Supannika (Sue) Koolmanojwong

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EDUCATION

August 2004 – present; PhD Student in Computer Science, University of Southern California, USA
2007; Master of Science in Computer Science, University of Southern California, USA
2000; Master of Science in Information Technology, Assumption University, Thailand
1997; Bachelor of Science in Information Technology, Assumption University, Thailand

RESEARCH EXPERIENCE

University of Southern California, USA

Researcher, Center of Software Engineering

January 2006 – present

Performing directed research at Center of Software Engineering in,

- Creating Electronic Software Process Guideline by using Eclipse Process Framework (EPF)
- Creating Electronic Software Process Guideline by using Little-JIL Process Definition Language
- Incremental Commitment Model (ICM) and Lean Model Based Architecting and Software Engineering (LeanMBASE)
- WikiWinWin Tool, Science of Multi-stakeholder Collaborative Design
- Pattern and Relationship between Negotiation agreement and Requirements

Faculty of Science and Technology, Assumption University, Thailand

Researcher, Autonomous Systems Research Laboratory

June 2003 – July 2004

Performing academic research at the Autonomous Systems Research Laboratory in,

- Agent-Based Software
- Cooperation between agents in Heterogeneous Environment and Deception Detection

Researcher, Software Technology Laboratory

June 1999 – May 2003

Performing academic research at the Software Technology Laboratory in,

- Intelligent technologies and Human Computer Interaction
- Electronic Commerce
- Object-Oriented Paradigm

TEACHING EXPERIENCE

University of Southern California, USA

Teaching Assistant

January 2005 – present

Teaching Assistant at Computer Science Department, USC Viterbi School of Engineering

- Spring 2005, Assisting in teaching CSCI 303 Analysis of Algorithms
- Fall 2006, Spring 2007, Fall2007 Assisting in teaching CSCI577a Software Engineering I

Faculty of Science and Technology, Assumption University, Thailand

Lecturer

June 1999 – July 2004

Lecturer at Department of Information Technology, Faculty of Science and Technology, Assumption University, Thailand

- Teaching undergraduate courses in,
 - Human Computer Interaction
 - Object Oriented System Analysis and Design
 - Web Design and Development
 - Microcomputer Applications
- Conducting training courses in system development by using UML
- Advising senior students for their final projects

Lecturer

May1997 – May1998

Lecturer at Department of Information Technology, Faculty of Science and Technology, Assumption University, Thailand

- Teaching undergraduate courses in computer programming languages

PROFESSIONAL EXPERIENCE

External affairs coordinator

November 2001 – July 2004

External affairs coordinator for the Faculty of Science and Technology, major responsibilities included:

- Collaborating with other academic institutions, industry, and the Assumption University alumni
- Public relation and advertising for the Faculty
- Creating and maintaining the Faculty website

Software Engineering Projects

1999 – 2002

- **System Analyst**, “Activity-Base Costing for Thailand Universal Health Care”, 2002
- **Project Coordinator**, “IT Master Plan for Bangkok Metropolitan Administration Council”, 2001
- **System Analyst**, “IT Master Plan for Rajabhat Institute of Suan Sunandha”, ’2000
- **System Analyst**, “Dynamic Web for Industrial Estate Authority of Thailand”, ’2000
- **Project Coordinator**, “Develop Project Proposal for Command and Control of Royal Thai Army”, ’1999

PUBLICATIONS

1. Supannika Koolmanojwong and Barry Boehm, “**An Empirical Study on MBASE and LeanMBASE**”, to appear in Proceedings of the 1st International Symposium on Empirical Software Engineering and Measurement, Madrid Spain, September, 2007
2. Da Yang, Di Wu, Supannika Koolmanojwong, Barry Boehm, “**WikiWinWin: A Wiki Based System for Collaborative Requirements Negotiation**” to appear in Proceedings of Hawaii International Conference on System Sciences, Hawaii, USA, January 2008
3. Monvorath Phongpaibul, Supannika Koolmanojwong, Alexander Lam, Barry Boehm, “**Comparative Experiences with Electronic Process Guide Generator Tools**”, In Proceedings of the International Conference on Software Process (ICSP 2007), Minneapolis, May 2007
4. Supannika Koolmanojwong, Suparwat Charoenvikrom, Peerapol Moemeng and Jirapun Daengdej, “**An Approach for Dealing with Lying Agents**”, The Fourth International Conference on Intelligent Technologies (InTech’03)
5. Supannika Koolmanojwong, Rachsuda Jiamthapthaksin and Jirapun Daengdej, “**An Agent Architecture for Competitive Application Environment**”, 2004 IEEE Aerospace Conference, Montana USA, March 2003
6. Supannika Koolmanojwong, Jaruwan Latthikulsumpun and Jirapun Daengdej, “**Reflexive Agents for Competitive Application Environment**” In Proceedings of 2003 IEEE Aerospace Conference, Montana USA, March 2003
7. Supannika Koolmanojwong and Pratit Santiprabhob, “**Intelligent Electronic Marketplace for Tourism**”, In Proceedings of the 6th World Conference on Systemics, Cybernetics and Informatics (SCI2002), Orlando, USA, July 2002
8. Supannika Koolmanojwong and Pratit Santiprabhob, “**An Intelligent Electronic Marketplace for Tourism**”, The AU Journal of Technology 6(2): 75 - 79, October 2002

SEMINAR AND TRAINING

- Microsoft Approved Courses
 - Programming with C#, April 2003
 - Developing Microsoft .NET Web Applications Using Microsoft Visual Studio.NET, May 2003
 - Developing Microsoft .NET Applications for Windows, June 2003
 - Programming with Microsoft ADO.NET, June 2003
 - .NET Curriculum Workshop, TechEd, Kuala Lumpur Malaysia, August 2003

AWARDS

- **Dean’s Award**, Excellent Academic Performance, Graduate School of Science and Technology, Assumption University, ’2000
- **Best Alumnus** in Social Contribution, Faculty of Science and Technology, Assumption University, ’2000
- **Best Student** in Leadership Performance, Stree Smutprakarn School and National Youth Bureau, ’1992
- **Best Student** in Social Contribution, Saint Joseph Tippawan School and National Youth Bureau, ’1990

CONFERENCE ORGANIZATION

- **Database Manager and Conference Committee**, IEEE Aerospace Conference, MT, USA 2005 - 2007
- **Web Master**, IEEE 2008 International Conference on Robotics and Automation, USA
- **Organizing Committee and Master of Ceremony**, Annual Faculty Seminar, Assumption University, Bangkok. May 2003
- **Organizing Committee**, International Conference on Intelligent Technologies(InTech’2001- 2005), USA, Thailand, Vietnam
- **Conference Coordinator**, National Computer Science and Engineering Conference, Bangkok, ’1999