

The 31<sup>st</sup> Annual International

## Computer Software and Applications Conference

# COMPSAC 2007

Beijing, China, July 23 - 27, 2007



Tuesday, 24 July, 2007

### Keynote 1: Software Foundation for Critical Pervasive Computing

#### Abdelsalam (Sumi) Helal

Professor  
Computer and Information Science and Engineering Department  
University of Florida  
USA

**Biography:** Dr. Abdelsalam (Sumi) Helal is a Professor at the Computer and Information Science and Engineering Department (CISE) at the University of Florida. His research interests span the areas of Pervasive Computing, Mobile Computing and networking and Internet Computing. He directs the Mobile and Pervasive Computing Laboratory and leads the technology development of the NIDRR-funded Rehabilitation Engineering Research Center on Successful Aging (RERC). He is co-founder and Director of the Gator Tech Smart House, an experimental home for applied pervasive computing research in the domain of elder care. Additionally, he is founder, President and CEO of Phoneomena, Inc., a mobile application and middleware company, and founder and President of Pervasa, Inc., a University of Florida start-up focused on platform and middleware products for sensor networks.

Outside of his teaching and research, Dr. Helal is a co-founder and an editorial board member of the IEEE Pervasive Computing magazine. He is the Editor of the magazine's column on Standards, Tools and Emerging Technologies. He is also an Associate Editor of the IEEE Transaction on Mobile Computing. He has published over 200 books, book chapters, journal articles, and conference or workshop papers. He is a Senior member of the Institute of Electrical and Electronics Engineers (IEEE), and a member of the Association for Computing Machinery (ACM) and the USENIX Association.

Born in Suez, Egypt, Dr. Helal earned his B.E. and M.E. degrees in Computer Science and Engineering from Alexandria University, Egypt, in 1982 and 1985 respectively. He earned his Ph.D. in Computer Sciences from Purdue University in 1991. Before joining the University of Florida, he held academic and industrial research positions at MCC, Purdue University and the University of Texas at Arlington.



Dr. Sumi Helal

Wednesday, 25 July, 2007

### Keynote 2: From Knowledge-based Software Engineering to Knowware-based Software Engineering

#### Lu Ruqian

Academician and Professor  
Academy of Mathematics and Systems Science  
Chinese Academy of Sciences  
China

**Biography:** Ruqian Lu is a professor of computer science of the Institute of Mathematics, Academy of Mathematics and System Sciences. He is also a fellow of Chinese Academy of Sciences. His research interests include artificial intelligence, knowledge engineering and knowledge based software engineering. He has won two first class awards from the Academia Sinica and a National second class prize from the Ministry of Science and Technology. He has also won the sixth Hua Loo-keng Mathematics Prize.



Dr. Lu Ruqian

Friday, 27 July, 2007

### Keynote 3: Software for the Mobile Internet

#### Anson Chen

Corporate Vice President  
Motorola Software Group  
Motorola, Inc.  
USA

**Biography:** Anson Chen is Corporate Vice President of Motorola's Software Group responsible for 18 software development centers (7000 developers) worldwide and eight Technology Groups to provide key software technologies to Motorola and its customers. The key development programs range from mobile handset software, network infrastructure software for service provider and enterprise networks, to software engineering tools and test technologies.

Prior to joining Motorola, Anson served as Vice President of Research and Development for Netscreen/Juniper's Security Products Group, responsible for the development of NetScreen's entire product line (ASICs, HW, SW) for its firewall, IPSec and SSL virtual private network (VPN) and Intrusion Detection and Prevention technologies and Anti-Virus/Threat-Prevention solutions.

Before joining NetScreen, Anson served as vice president and general manager of Cisco's Network Management and Services Technology Group, responsible for Cisco's Policy Networking and Network Management architecture, products, solutions and partnerships.

During his 12-year tenure at Cisco, Anson built and led world-class teams in the development of operating systems and protocol software (IOS which runs across Cisco's routing and switching product lines) and various network infrastructure products for both enterprise and service provider environments. Prior to Cisco, he was part of a team that built VISA's global financial networking infrastructure. Mr. Chen also played lead engineering roles in Unix networking software development at Convergent Technologies/Unisys.



Mr. Anson Chen