

Call for Participation

The 31st Annual IEEE International Computer Software and Applications Conference



COMPSAC 2007

Beijing, China
July 23 - 27, 2007



Sponsored by



IEEE



Workshops July 23 & 27

The First IEEE International Workshop on Testing Emerging Software Technology (TEST'07)

The Second IEEE International Workshop on Security, Trust, and Privacy for Software Applications (STPSA 2007)

The First IEEE International Workshop on Engineering Mobile-Based Software and Applications (EMOBS07)

The Second IEEE International Workshop on Engineering Semantic Agent Systems (ESAS 2007)

The Fourth IEEE International Workshop on Software Cybernetics (IWSC 2007)

The First IEEE International Workshop on Software Engineering Challenges in the Automotive Domain (SECAD)

The First IEEE International Workshop on Quality Oriented Reuse of Software (QUORS)

The First IEEE International Workshop on Software Engineering for Adaptive Software Systems (SEASS 2007)

The Second IEEE Asia-Pacific Workshop on Software Architectures and Component Technologies (SACT 07)

The First IEEE International Workshop on Security in Software Engineering (IWSSE)

The Third IEEE Asian Workshop on Aspect-Oriented Software Development (AOAsia)

The First IEEE International Workshop on Development and Application of Knowledge Based Software Engineering Tool (KASET)

The First IEEE International Workshop on Requirements Engineering For Services (REFS'07)

The First IEEE International Workshop on Software Patterns: Addressing Challenges (SPAC 2007)

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Signature Conference on Software Technology & Applications

You are cordially invited to participate in COMPSAC 2007 (<http://compsac.org>), to be held for the first time in Beijing, China on July 23-27, 2007. COMPSAC is a major international forum for researchers, practitioners, managers, and policy makers interested in computer software and applications. It was first held in Chicago in 1977, and since then it has been one of the major forums for academia, industry, and government to discuss the state of art, new advances, and future trends in software technologies and practices.

The creation of trustworthy and dependable software spans all aspects of software engineering. COMPSAC is a unique forum to bring together these facets and their major stakeholders. Building on the trustworthy, secure, and dependable software themes of highly successful recent COMPSAC conferences, the technical theme for the 31st conference is

SOFTWARE ENGINEERING – CRITICAL FEATURES and INFRASTRUCTURES

The program of COMPSAC 2007 will continue to feature research and industrial practice papers with a wide range of topics, focusing on the software engineering of critical infrastructure systems such as, but not limited to, civil, telecommunications, and medical systems.

This year, we received 325 paper submissions worldwide. Only 59 high quality research papers were finally accepted as regular papers and 34 were accepted as short papers after a thorough and rigorous review process. The technical program also consists of **3 keynotes, 10 panels, 4 tutorials, 14 workshops, fast abstracts, an industrial day, and a doctoral symposium.**

Keynote Speakers

Abdelsalam (Sumi) Helal

*Software Foundation for
Critical Pervasive
Computing
Professor*

*Computer & Information
Science & Engineering
Department
University of Florida
USA*

Lu Ruqian

*From Knowledge-based
Software Engineering to
Knowledge-based Software
Engineering*

*Academician and
Professor, Academy of
Mathematics and Systems
Science, Chinese Academy of
Sciences
CHINA*

Anson Chen

*Software for the Mobile
Internet*

*Corporate Vice President
Motorola Software Group
Motorola, Inc.
USA*

Program At-a-Glance, July 24-26

SECURITY TRACK (4 Sessions)

- Security in Communication
- Modelling Security
- Vulnerabilities: Detecting and Assessment
- Infrastructure, Networking and Security

REQUIREMENTS (5 Sessions)

- Design and Modeling
- Putting Models to Run
- Event-Based and State-Based Modelling
- Ontology for Requirements Elicitation
- Analysis & Modelling

LIFE CYCLE (4 Sessions)

- Internet and Web-Based Systems
- Component-Based Software and Architecture
- Embedded systems
- Process and Maintenance

For further information please contact:
chang@iastate.edu

QUALITY OF SERVICE (3 Sessions)

- Quality of Service and Performance
- Quality of Service and Service Composition
- Modelling and Validation for QoS

QUALITY (6 Sessions)

- Validation and Assessment
- Quantification
- Specification and Verification
- Coverage and Prioritization for Testing
- Analysis and Testing
- Quality, Diversity and Services

INDUSTRIAL TRACK (3 Sessions)

- Process Models
- Data, Repositories, Design Methods
- Networking and Distribution

Friday July 27 is designated as the Industrial Day with a plenary panel and tutorials targeted to an industrial audience