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IEEE Computer Society

Call for Participation

The 31st Annual IEEE International
Computer Software and Applications Conference

COMPSAC 2007
Beijing, China
July 23 - 27, 2007

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 (EMOBS'07)
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 Second IEEE Asia-Pacific Workshop on Software Architectures and Component Technologies (SACT 07)
The First IEEE International Workshop on Security in Software Engineering (IWSE 2007)
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)

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 Science & Engineering
Department
University of Florida
USA

Lu Ruqian
From Knowledge-based Software Engineering
to Knowware-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

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

REQUIREMENTS (5 Sessions)
- Design and Modeling
- Putting Models to Run
- Event-Based and State-Based Modelling
- Ontology for Requirements Elicitation
- Analysis & Modelling

INDUSTRIAL TRACK (3 Sessions)
- Process Models
- Data, Repositories, Design Methods
- Networking and Distribution

LIFE CYCLE (4 Sessions)
- Internet and Web-Based Systems
- Component-Based Software and Architecture
- Embedded systems
- Process and Maintenance

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

For further information please contact: chang@iastate.edu

Industrial Sponsors

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