27th Annual International
Computer Software and Applications Conference
COMPSAC 2003
Dallas, Texas, USA, November 3 - 6, 2003

COMPSAC is the 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 researchers, practitioners, and managers in academia, industry, and government to advance the state of the art in software technologies and practices. The planned program will include original research papers, industrial case studies, participative workshops and discussion panels.

The main theme for the 27th conference is *Design and Assessment of Trustworthy Software-Based Systems.*

Two Keynote Addresses

- **Louis J. Blazy,** Deputy Assistant Secretary, Department of Housing and Urban Development, and Professor, Software Engineering, University of Maryland, USA , "The Ruthless Pursuit of Frameworks and Patterns for Web-Based Applications"
  9:00am Monday, November 3
- **Robin E. Bloomfield,** Professor of Systems and Software Dependability, City University and Adelard, London, UK, "The Pursuit of Trust: Finding a Way Through the High Assurance Landscape"
  9:00am Wednesday, November 5

One Plenary Panel Session

- Challenges and Recent Advances in Developing Trustworthy Software-Based Systems
  Chair: Stephen S. Yau, Arizona State University, USA
  9:00am Tuesday, November 4

32 Paper and Panel Sessions

- Component Based Software Engineering
- Design Pattern and Frameworks
- Design Paradigms
- Distributed Computing
- Embedded Software (panel)
- Embedded Systems
- High Performance Systems
- Information Security
- Internet & Web-based Systems
- Metrics and Measurement
- Mobile Systems
- Object-Oriented Analysis/Design
- Parallel and Distributed Technologies
- Pervasive & Ubiquitous Systems
- Product -Line Engineering
- Quality Management
- Requirement Engineering
- Reverse Engineering and Reengineering
- Safety and Security
- Service Based Systems
- Software Architecture and Framework
- Software Engineering Education (panel)
- Software Evolution and Life Cycle
- Software Liability, Risk & Insurance (panel)
- Software and System Testing
- Software Testing (panel)
- Software Process Improvement (panel)
- Software Process Management
- Software Visualization (panel)

- System Reliability
- Trustworthy Computing Systems
- Web Technologies

Three Workshops

- Architectures for Complex Application Integration
  Organizer: Piyush Maheshwari, The University of New South Wales , Australia
  Wednesday, November 5
- Web and Security
  Organizers: Tsau Young Lin, San Jose State University, USA
  Thursday, November 6
- Web-Based Systems and Applications
  Organizer: Baowen Xu, Southeast University, China
  Thursday, November 6

Social Functions

- Conference Reception, 6:00pm Monday, November 3
- Conference Banquet, 6:00pm Tuesday, November 4

For further information on technical program, registration, hotel reservation and other relevant information, consult the conference web site: http://se.kaist.ac.kr/compsac2003/

General Chair:
Robert Helms, University of Texas at Dallas, USA
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Operations Committee Chair:
Eric Wong, University of Texas at Dallas, USA
Registration Chair:
Dazhi Huang
Computer Science and Engineering Department
Arizona State University
Goldwater Center, Room 206
P.O. Box 875406
Tempe, AZ 85287-5406 USA
Phone: 1-480-965-3753 Fax: 1-480-965-2751
E-mail: dazhi.huang@asu.edu
Standing Committee Chair:
Stephen S. Yau, Arizona State University, USA