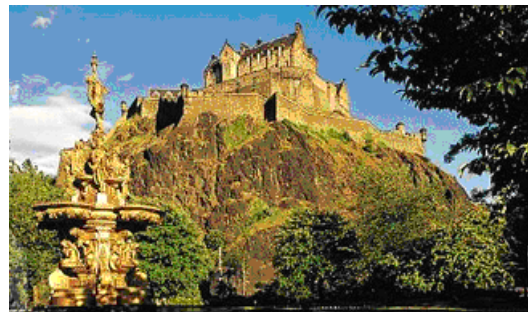


CALL FOR CONTRIBUTIONS

The 29th Annual International Computer Software and Applications Conference

COMPSAC 2005

Edinburgh, Scotland, July 25-28, 2005



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 technical program includes keynote addresses, research papers, industrial case studies, panel discussions and fast abstracts. It also includes a number of workshops on emerging important topics.

The major theme for the 29th conference will be:

HIGH ASSURANCE SOFTWARE SYSTEMS

Methodology topics include, but not limited to, the following:

- ◆ Ambient intelligence
- ◆ Biometrics
- ◆ Digital curation
- ◆ Dependable service provision
- ◆ Trustworthy software
- ◆ Security and privacy
- ◆ Policy-based software
- ◆ Software safety
- ◆ Software fault tolerance
- ◆ High performance software
- ◆ Component-based software
- ◆ Design patterns
- ◆ Software architecture
- ◆ Agile methodologies
- ◆ Extreme programming
- ◆ Model-driven software development
- ◆ Requirements engineering
- ◆ Formal specification and verification
- ◆ Software testing, V&V
- ◆ Metrics and measurement
- ◆ Process management
- ◆ Quality management
- ◆ Risk management
- ◆ Software certification
- ◆ Software standards
- ◆ Software engineering education

Systems topics include, but not limited to, the following:

- ◆ Grid computing systems
- ◆ Autonomic computing
- ◆ Collaborative systems
- ◆ Embedded systems
- ◆ Enterprise systems
- ◆ Internet and web-based systems
- ◆ Middleware systems
- ◆ Intelligent systems
- ◆ Multimedia systems
- ◆ Mobile code and systems

Applications topics include, but not limited to, the following:

- ◆ Connected city
- ◆ Automotive telematics
- ◆ E-Commerce/M-Commerce
- ◆ Situation-aware applications
- ◆ Ubiquitous computing applications
- ◆ Smart spaces
- ◆ Smart sensors and home appliances
- ◆ Healthcare and surveillance

INFORMATION FOR AUTHORS OF REGULAR PAPERS

Submit original papers (not published or submitted elsewhere) of 3000-5000 words. Include the title of the paper, the name and affiliation of each author, a 150-word abstract, and up to 8 keywords. The submission format must follow the IEEE conference proceedings guidelines which are available at <http://www.computer.org/cspress/instruct.htm>. The authors of a number of selected papers of special merit will be invited to submit an extended version of their papers for possible publication in The Computer Journal for a special issue in High Assurance Software Systems.

INFORMATION FOR AUTHORS OF FAST ABSTRACTS

Fast abstracts are to report on-going work, practical experience, new ideas to provoke further validation, or positions on controversial issues. Each fast abstract can have a maximum of two pages. The format must follow the IEEE conference proceedings guidelines which are available at <http://www.computer.org/cspress/instruct.htm>.

INFORMATION FOR WORKSHOP ORGANIZERS

A major feature of COMPSAC 2005 will be half- and full-day workshops. These workshops will enable timely important issues to be explored in depth. A workshop proposal should include organizer's contact information, the workshop title, rationale, coverage, how participants will be solicited, how workshop papers will be evaluated, and experience of past workshops on the same or closely related subjects. Information on other workshop activities, e.g., plans for journal publication of selected papers, is encouraged.

INFORMATION FOR PANEL ORGANIZERS

Panel sessions will be held in parallel with paper sessions. A panel proposal should include organizer's contact information, the title, a 150-word scope statement, proposed panel chair and panelists with their affiliations.

IMPORTANT DATES

- ◆ **December 1, 2004:** Deadline for workshop and panel proposals
- ◆ **December 15, 2004:** Notification for workshop/panel organizers
- ◆ ~~February 15, 2005~~; **February 28, 2005:** Deadline for regular & workshop paper submissions
- ◆ **March 21, 2005:** Deadline for fast abstract submission
- ◆ **April 15, 2005:** Notification for authors of regular papers, workshop papers and fast abstracts.
- ◆ **May 16, 2005:** Deadline for camera-ready copies of accepted regular and workshop papers, fast abstracts, workshop organizers' remarks, panel organizers' scope statements, and panelists' position papers

SUBMISSION

Upload regular papers in PDF, Postscript or RTF format at <http://aquila.nvc.cs.vt.edu/compsac2005/submit.html>

Upload fast abstracts in PDF, Postscript or RTF format at <http://aquila.nvc.cs.vt.edu/start/www/fastabstract/submit.html>

Submit workshop and panel proposals in plain text via e-mail to compsac2005@nvc.cs.vt.edu

Information on accepted workshops and the submissions of workshop papers is available at the conference web site

<http://aquila.nvc.cs.vt.edu/compsac2005/workshop.html>

Program Co-Chairs

Ing-Ray Chen, Virginia Tech, USA Email: irchen@cs.vt.edu
Roland N. Ibbett, University of Edinburgh, UK Email: rni@inf.ed.ac.uk
Hong Mei, Peking University, China Email: meih@pku.edu.cn

Workshop Chair

Y. Eric Wong, University of Texas at Dallas, USA Email: ewong@utdallas.edu

Fast Abstract Co-Chairs

Fei Xie, Portland State University, USA Email: xie@cs.pdx.edu
Jeff Lei, University of Texas at Arlington, USA Email: jlei@cse.uta.edu

General Chair

Malcolm Atkinson, University of Edinburgh and the National e-Science Centre, UK

Publicity Chair

Y. T. Yu, City University of Hong Kong, Hong Kong

Standing Committee Chair

Stephen S. Yau, Arizona State University, USA Email: yau@asu.edu

GENERAL INQUIRIES

For more detailed and updated information, please refer to <http://aquila.nvc.cs.vt.edu/compsac2005>

For further information, please contact:

Stephen S. Yau, Arizona State University, USA. Email: yau@asu.edu