The Computed World: Software Beyond the Digital Society

Creating the digital society and beyond needs all aspects of computing, software development, and software systems engineering. The computed world embraces not only the Information Technology world, but also the physical world. COMPSAC, the IEEE Signature Conference on Computer Software and Applications, is a unique forum to bring together all facets of computed world and their major stakeholders. Building on computationally smart environments, and trustworthy, secure, and dependable distributed software—themes of highly successful recent COMPSAC conferences—the technical theme for the 35th conference is The Computed World: Software Beyond the Digital Society.

To properly engineer such domains, the foundations, methodologies, and mechanisms that support the design, modeling, and evaluation of software systems and computer applications must come from diverse sources. Topics of interest include but are not limited to requirement analysis, co-analysis/co-design, modeling, development, testing, measurement, verification, validation, performance, autonomy, safety, security, privacy and dependability constraints. Effective construction of these systems is not limited solely to the field of computer science and engineering and comes as a synergetic effort, between various domains of research. Multidisciplinary work, research and development of software prototypes, industry-university collaborations, all based on new emerging and critical technologies will be of particular interest to this conference. All accepted papers will be published in the electronic proceedings by the IEEE Computer Society, indexed through INSPEC and EI Index, and automatically included in the IEEE digital library.

Submission Information

Authors are invited to submit original, unpublished research papers as well as industrial practice papers. Simultaneous submissions to other publication venues are not permitted. Detailed instructions for electronic paper submission, panel and workshop proposals, fast abstracts, doctoral symposium and review process can be found at http://www.compsac.org/. The length of the camera-ready accepted papers will be limited to 8 (IEEE Proceedings style) pages, and printed with 10-12 point fonts. Please follow the IEEE Computer Society Press Proceedings Author Guidelines to prepare your papers. At least one author of each accepted paper (regular, short, workshop) or fast abstract is required to pay full registration fee to the conference. Each accepted paper must be presented in person by the author or one of the authors.

Important Due Dates:

Main Conference
Abstracts due ...................................................(Jan 16, 2011)
Full manuscript submissions .............................(Jan 30, 2011)
Author notifications ..........................................(April 2, 2011)
Final camera-ready submission .........................(May 2, 2011)
Author registration ..........................................(May 2, 2011)

COMPSAC Affiliated Workshops and Panels
Workshop and panel proposals due .................(Dec 6, 2010)
Workshop paper submissions ............................(March 1, 2011)
Author notifications ..........................................(April 8, 2011)
Final camera-ready submission .......................(May 2, 2011)
Author registration ..........................................(May 2, 2011)

Contact Information, General Queries

For more detailed information about the conference, or to submit a query, please visit compsac.org.

COMPSAC 2011 Key Organizers

General Chair - Academia: Bruce Mc Millin, Missouri University of Science & Technology, USA (ff at mst.edu)
General Chair - Industry: Klaus Beetz, Siemens AG, Germany (klaus.beetz at siemens.com)
Program Chair - Americas: Sheikh Iqbal Ahamed, Marquette University, USA, (sheikh.ahamed at marquette.edu)
Program Chair - Europe: Wolfgang Minker, University of Ulm, Germany (wolfgang.minker at uni-ulm.de)
Program Chair - Asia/Pacific: Zhi Jin, Peking University, China (zhijin at amss.ac.cn)

Industrial Program Chair: Rajesh Subramanyan, Siemens Corporate Research, USA (rajesh.subramanyan at siemens.com)

Workshops Chair: Axel Küpper, Technical University Berlin, Germany (Axel.Kuepper at telekom.de)

Workshops Chair: Mohammad Zulkernine, Queens University, Canada (mzulker at cs.queensu.ca)

Local Organizing Chair: Frances Paulisch, Siemens AG, Germany (fp.compsac at yahoo.com)

Sponsored by:

IEEE Computer Society

Hosted by Platinum Supporter: