

WICSA 2012

Helsinki, Finland

August 20–24

CALL FOR CONTRIBUTIONS:

10TH WORKING IEEE/IFIP CONFERENCE ON SOFTWARE ARCHITECTURE (WICSA) &
6TH EUROPEAN CONFERENCE ON SOFTWARE ARCHITECTURE (ECSA)

WICSA/ECSA 2012, 20-24 AUGUST 2012, HELSINKI, FINLAND

SOFTWARE ARCHITECTURES FOR EMERGING AND NEXT GENERATION OF TECHNOLOGIES

SCOPE

The 10th Working IEEE/IFIP Conference on Software Architecture (WICSA) and the 6th European Conference on Software Architecture (ECSA) will be jointly held to provide a unique forum for researchers and practitioners to present and discuss the latest R&D outcomes, experiences, trends, and challenges in the field of software architecture. Like WICSA/ECSA joint event of 2009, once again the synergistic coupling of WICSA and ECSA promises to offer even more inspiring and productive event in 2012.

WICSA/ECSA 2012 is the premier gathering of the researchers and practitioners interested in becoming familiar with and improving the state-of-the-art and the state-of-practice of software architecture. This joint gathering's primary goal is to provide a forum for discussion among researchers and practitioners. This event will focus on making progress in the field of software architecture theory and practice through a combination of presentations, working sessions, workshops, and tutorials.

WICSA/ECSA 2012 will have an exciting and interesting program consisting of keynote speakers, papers presentation sessions, and interactive working sessions where researchers and practitioners discuss their advances and experiences to understand the current state of architectural practice, and identify opportunities to make a difference in the future.

This environment means that the WICSA/ECSA 2012 will be the ideal venue for researchers and software architecture practitioners to discuss successes, failures, and ideas with each other, with these insights helping to identify how best to move the state of both research and practice forward.

IMPORTANT DATES

- Paper abstract due: April 1, 2012
- Paper submission due: April 8, 2012
- Notification of decision on papers: June 11, 2012
- Camera-ready paper due: June 22, 2012
- Conference: 20-24 August 2012

TOPICS

The organizing committee of the WICSA/ECSA 2012 encourages submissions of research papers and experience reports related to all aspects of software architecture, but this year we are encouraging increased emphasis on the approaches and processes for architecting software and services for emerging technologies and next generation of software intensive systems and services. Topics include, but are not limited to:

- Software architectures for cloud-based systems and services
- Software architectures for energy efficiency and sustainability
- Software architecture from ultra large to very small systems
- Software architecture and software qualities
- Architectural patterns, styles and viewpoints
- Architecture description languages and model driven architecture
- Software architecture modeling, analysis methods and tools
- Software architecture knowledge management
- Software architectures for emerging systems
- Software architecture discovery and recovery
- Software architecture for legacy systems and systems integration
- Service oriented architecture, SOA migration and governance
- Open architectures, product-line architectures, software ecosystems, systems of systems
- Cultural, economic, business and managerial aspects of software architecture
- Software architects' roles and responsibilities
- Training, education, and certification of software architects
- State-of-the-art and state-of-practice in software architecture
- Industrial experiments and case studies
- Enterprise systems vs. software architecture

PROCEEDINGS

The proceedings will be published by IEEE CS Press

In addition, authors of best papers will be invited to submit revised and extended versions of their papers for the Special Section on Software Architecture of the Journal of Systems and Software.

TYPES OF SUBMISSIONS

WICSA/ECSA 2012 seeks two main categories of papers to foster the active participation of researchers and practitioners:

Full papers should describe original and significant results of theoretical, empirical, conceptual, or experimental research and industrial practice in software architecture. Full papers are limited to 10 proceedings pages, at most 8000 words. All papers should explicitly state the goals of systems or approaches described, discuss relationships to previous work, and use accepted, standard terminology. We especially welcome submissions of papers addressing practical evaluation and industrial application, as well as innovative approaches and ideas discussing emerging challenges.

Working Session Papers (max. 4 proceedings pages) which present promising achievements from work-in-progress in a topic of software architecture. They are intended to stimulate discussion related to ideas and experiences, rather than to present fully validated research results. Normally they will describe positive and negative characteristics of existing methods and techniques; identify gaps in the state-of-practice; or propose new research directions to fill those gaps. The accepted contributions will form the basis of the conference's interactive working sessions.

All submitted papers will undergo a rigorous peer review process. Papers will be selected based on originality, quality, soundness, and relevance. All contributions must be original, not published, accepted or submitted for publication elsewhere.

In addition to peer reviewed full and working session papers, the conference will also provide a dynamic forum to allow researchers and practitioners to get together in a friendly and supportive environment to exchange ideas and experiences and discuss subjects not on the main program (see the Call for other kinds of contributions for other events to be organized during the conference on the website: <http://www.wicsa.net>).

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