WICSA2011

Boulder, Colorado - USA **20-24 June 2011**

9th Working IEEE/IFIP Conference on Software Architecture
Architecture across boundaries

Preliminary Call for Papers

Paper submissions deadline
7 February 2011

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WICSA is the premier gathering of practitioners and researchers interested in finding out about and improving the state of practice of Software Architecture. Since its inception, WICSA has functioned as a working conference, where researchers meet practitioners and where practicing software architects can explain the problems that they face in their day-to-day work and so influence the future of the field. Next to traditional conference keynotes and paper sessions WICSA includes interactive working sessions where practitioners and researchers discuss their experiences to understand the current state of the field, and identify opportunities to make a difference in the future.

For WICSA 2011 the theme is "Architecture across boundaries" – exploring the relations between software, system and enterprise architecture in cyberspace. This conference puts architecture in a global perspective and looks at the crucial role of architecture in integrating enterprises across business, technological, cultural and geographical boundaries, interconnecting systems of systems, providing a frame of reference for communication, evolution and change, as well as an instrument for continuous innovation. This year WICSA is co-located with CompArch, the federated events on component-based software engineering and software architecture.

We solicit two types of submissions from the software architecture community: full papers and short papers.
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. Papers must not have been previously published nor submitted or under consideration elsewhere for publication. All papers should explicitly state the goals of systems or approaches described, discuss relationships to previous work, and should 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.
Short papers are focused pieces of writing intended to stimulate discussion related to experiences and ideas, rather than to present mature results. Short papers are limited to 4 proceedings pages, at most 3000 words. Papers should trigger discussion and raise awareness and reflection on specific topics, in both research and industrial practice, such as: insights on existing methods and techniques; identifying gaps in the state of the practice; and proposals to fill those gaps.
Depending on their ability to trigger discussion, both full and short accepted papers can be clustered and discussed in working sessions, always an integral part of the WICSA program.

We are also actively soliciting proposals for tutorials, workshops and birds-of-a-feather sessions to be part of the conference program. Further details on submission of each type of contribution can be found on the conference website.

Topics of interest for the conference include (but are not limited to) the following themes:
- Software architecture to cross boundaries
- Relationship of enterprise, system and software architecture
- 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 architecture of ultra large to very small systems
- 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

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