

ISARCS 2013 homepage: <http://isarcs.comparch2013.org/>

CompArch homepage: www.comparch-events.org

As software systems continue to pervade every facet of our daily lives, our dependence on their safety, security, availability, and reliability grows. It has become increasingly clear that the architecture of a critical software system plays a crucial role in fulfilling its dependability requirements. This has called for effective methods, techniques, and tools that take architectural concerns into consideration during the design, construction, testing, maintenance, and upgrade of such systems.

ISARCS is a premier scientific venue that brings together researchers and practitioners interested in the interplay of architecture and dependability attributes of critical software systems. The symposium was born four years ago as the union of the Workshop on Architecting Dependable Systems (WADS), the Workshop on Role of Software Architecture for Testing and Analysis (ROSATEA), and the Workshop on View on Designing Complex Architectures (VODCA). ISARCS is sponsored by ACM SIGSOFT and part of CompArch, a federated conference series targeted at Component-Based Software Engineering and Software Architecture.

ISARCS welcomes submissions from both industry and academia, including, but not limited to, the following topics:

- Architectural knowledge and patterns for critical systems
- Tools for construction, design, and testing of critical systems
- Architectural description languages, models, and notations
- Design techniques for software safety and security
- Testing and analysis of critical systems
- Self-healing and self-protecting critical systems
- Evolution and maintenance of critical systems
- Fault tolerant software design
- Industrial reports, case studies, and application domains
- Formal methods, model checking, and theorem proving for critical software design
- Emerging techniques for the construction of critical systems (MDE, AOP, etc.)

Submissions

- **Regular papers** should describe original and significant results of theoretical, empirical, conceptual, or experimental research or of experience from industrial practice. Regular papers are limited to 10 pages.
- **Short papers** should describe novel ideas or innovative proposals that have not been fully evaluated, but have shown promise. Position papers are limited to 6 pages.

All accepted contributions will be published in the ACM digital library.

The best contributions of the conference will receive the ACM SIGSOFT Distinguished Paper Award, given by the ACM Special Interest Group on Software Engineering.

Important Dates

Abstract deadline	February, 6, 2013
Submission deadline	February, 13, 2013
Notification deadline	March, 25, 2013

Sponsored by



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