CALL FOR PAPERS

3rd International Symposium on Architecting Critical Systems (ISARCS 2012)

Bertinoro, Italy, June 26-28 2012
http://www.nics.uma.es/ISARCS12

Federated with CompArch 2012

ISARCS is at the third edition and it is the perfect venue for exchanging ideas on both theory and practice for architecting critical systems. Architecting these systems has the big challenge to guarantee both the perceived and objective dependability and security even accepting service degradation. This requires trade-off among the various attributes of dependability and security that cannot be considered in isolation. We are interested in submissions from both industry and academia, including, but not limited to, the following main areas:

Architectural styles and patterns
Architectural support for evolution
Aspects-oriented development
Assurance-based development
Automotive and avionic systems
Component-based development
Critical infrastructures
E-commerce, e-business, and e-government

Embedded, mobile, and ubiquitous systems
Extensible ADLs
Fault injection
Industrial case studies, challenges, problems, and solutions
Inspection techniques
Integration of processes, tools, and analysis techniques
Integrators (wrappers) for dependability

Model checking
Model-driven development
Redundancy and diversity
Runtime checks
Self-healing
Survivability and error confinement
Testing and simulation
Theorem proving
Tolerating architectural mismatches
Type checking techniques

Paper submissions: Accepted contributions will be published in the ACM Digital Library. Papers should not exceed 10 pages, must be written in English, and prepared according to the ACM style (http://www.acm.org/sigs/publications/proceedings-templates). Papers must not have been previously published or currently submitted elsewhere for publication. If accepted, the paper must be personally presented at ISARCS 2012 by one author. Submissions will be made through the EasyChair on-line submission system (see website).

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IMPORTANT DATES
Abstract submission: **February 14, 2012 February 24, 2012**
Paper submission: **February 21, 2012 February 28, 2012**
Authors notification: **April 9, 2012**
Camera-Ready version: **April 27, 2012**

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