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# 10 SERENE INTERNATIONAL WORKSHOP

on Software Engineering for Resilient Systems

## CALL FOR PAPERS

April 15-16, 2010

Birkbeck College (London, UK)

<http://serene2010.uni.lu/>

## PURPOSE

As society's dependence on complex software systems increases, so does the need for methods and tools that ensure resilience to faults, errors and malicious attacks. Modern open and distributed architectures are able to adapt to harmful events. However, the engineering of systems that exploit flexibility while remaining predictable is a challenge that demands attention from scientists and engineers across domains.

## SCOPE

The SERENE 2010 Workshop provides a forum for researchers and practitioners to exchange reports on advances in all areas relevant to this challenge, including, but not limited to:

- Modelling of resilience properties: formal & semi-formal techniques
- Requirements, software engineering & re-engineering for resilience
- Verification and validation of resilient systems
- Resilience prediction and experimental measurement
- Error, fault and exception handling in the software life-cycle
- Frameworks, patterns and software architectures for resilience
- Resilience at run-time: metadata, mechanisms, reasoning and adaptation
- Engineering of self-healing autonomic systems
- CASE tools for developing resilient system.

## TYPES OF CONTRIBUTION

We welcome relevant contributions in the following forms:

**Technical papers** describing original theoretical or practical work; advanced "work in progress" papers may also be considered.

**Experience/Industry papers** describing practitioner experience or case studies, addressing the application domain and lessons learned.

**PhD Forum papers** describing objectives, methodology, and results at an early stage in research. Special sessions will provide an opportunity to discuss PhD work and obtain constructive advice from experienced advisors.

**Project papers:** Short papers describing goals and results of ongoing projects related to SERENE topics are welcome.

**Tool papers:** Papers presenting new tools or new versions of the existing tools that support the development of resilient systems.

## PROCEEDINGS

Subject to confirmation, SERENE 2010 will be held in cooperation with ACM SIGSOFT and accepted papers will be published in the ACM Digital Library.

## SUBMISSION GUIDELINES

Abstracts and papers need to be submitted via the workshop web site. Your paper must:

- be formatted according to the ACM Proceedings Guidelines (<http://www.acm.org/sigs/pubs/proceed/template.html>);
- respect page limits: 10 pages for technical papers; 6 pages for all others;
- be submitted as PDF.

All papers will be peer-reviewed by at least three independent reviewers, assessed for relevance to the workshop topics, technical soundness, innovation, scientific and presentation quality. Submission of a paper constitutes a commitment to attend and present the paper if accepted.

## IMPORTANT DATES

Submission due: ~~21 December 2009~~

**extended to 18 January 2010**

Notification: 15 February 2010

Camera ready: 12 March 2010

For more information, or to be placed on our mailing list, please use the contact details below:

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