



Call for Papers

Workshop on the

Certification of Safety-Critical Software Controlled Systems (SafeCert)

A satellite event to ETAPS 2008

Scope

In many domains like transportation, power generation, medical technology, manufacturing and space exploration, statutory obligations traditionally require a formalized certification for the development of high assurance products. Formal methods are part of the standard recommendations, in particular for the higher safety integrity levels. However, experience shows that certifiable development of high-assurance software needs a lot more than pure application of formal techniques and tools that are founded on a formal semantics and support in parts automated code generation, formal analysis, verification or error detection. The major question to be addressed in the workshop is how to embed formal methods and tools in a seamless design process which covers several development phases and which includes an efficient construction of a safety case for the product.

Contributions

Contributions are sought on all related topics, both from scientific and industrial perspective.

Programme Committee

Jens Braband, Siemens, Germany
Fabrice Derepas, CEA, France
Holger Giese, U Paderborn, Germany
Javier Goikoetxea, CAF, Spain
Mats Heimdahl, U of Minnesota, USA
Michaela Huhn, TU Braunschweig (Co-Chair)
Hardi Hungar, OFFIS, Germany (Co-Chair)
Yassine Lakhnech, Verimag, U Grenoble 1, France
Stephan Merz, INRIA, France
Julian Ober, U Toulouse 2, France
Andras Pataricza, Budapest U, Hungary
Bernhard Schätz, TU Munich, Germany

Invited Speaker

Constance Heitmeyer, Naval Research Laboratory,
USA

Important Dates

Submission of full papers: **19 Dec. 2007**
Notification of acceptance: **11 Jan. 2008**
Camera ready version: **25 Jan. 2008**

Proceedings

It is planned to publish the workshop proceedings as a volume of the "Electronic Notes in Theoretical Computer Science"

Workshop Date and Venue

29 March 2008, Budapest, Hungary
(prior to ETAPS 2008)

Organizers

Michaela Huhn (m.huhn@tu-bs.de)
Hardi Hungar (hungar@offis.de)

Paper Submission

Electronic submission (pdf, ps) to:
<http://sttt.cs.uni-dortmund.de/safecert/servlet/Conference>

Full papers: 15 pages, **Short / position papers:** 6 pages, **Format:** ENTCS style (preferred)

Links

SafeCert: <http://safecert08.offis.de>

ETAPS: <http://etaps08.mit.bme.hu>