

AVoCS 2006

Sixth International Workshop on Automated Verification of Critical Systems

LORIA, Nancy, 18–19 September 2006

<http://avocs06.loria.fr/>

CALL FOR PAPERS

PROGRAM COMMITTEE

Stephan Merz (*Nancy, co-chair*)
Tobias Nipkow (*Munich, co-chair*)

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Paritosh Pandya (*Mumbai*)
Markus Roggenbach (*Swansea*)
Grégoire Sutre (*Bordeaux*)
Sergio Yovine (*Grenoble*)

SCOPE

The aim of AVoCS 2006 is to contribute to the interaction and exchange of ideas among members of the international research community on tools and techniques for the verification of critical systems. The subject is to be interpreted broadly and inclusively. It covers all aspects of automated verification, including model checking, theorem proving, abstract interpretation, and refinement pertaining to various types of critical systems (safety-critical, security-critical, business-critical, performance-critical, ...). Contributions that describe combinations of different techniques, and industrial case studies are particularly welcome.

The technical program will consist of invited and contributed talks and also allow for short presentations of ongoing work. The workshop will be relatively informal, with an emphasis on discussion. Previous AVoCS workshops were held in Oxford (2001), Birmingham (2002), Southampton (2003), London (2004), and Warwick (2005).

TOPICS

The following is a non-exhaustive list of topics of interest for AVoCS:

- Model Checking
- Automatic and Interactive Theorem Proving
- Abstract Interpretation
- Specification and Refinement
- Requirements Capture and Analysis
- Verification of Software and Hardware
- Verification of Security-Critical Systems
- Probabilistic and Real-Time Systems
- Verified System Development
- Industrial Applications

DATES

June 2 paper submission
July 15 notification
July 28 revised versions
July 28 abstracts of
short presentations
Sept. 18–19 workshop

INVITED SPEAKERS

Byron Cook (*Microsoft Research*)
Oded Maler (*Grenoble*)

CONTACT

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PROCEEDINGS

Preliminary proceedings will be published by LORIA and will be available at the workshop. These will include preliminary versions of regular papers and abstracts of short presentations. After the workshop, authors of regular papers will be asked to prepare a final version for proceedings in *Electronic Notes in Theoretical Computer Science* (Elsevier). Preparation of a special issue of a high-quality journal is under negotiation. Previous AVoCS workshops have given rise to special issues of *Formal Aspects of Computing* and of *Software Tools for Technology Transfer*.