

AVoCS 2008

Eighth International Workshop on Automated Verification of Critical Systems

Glasgow, 30 September – 1 October 2008
<http://www.dcs.gla.ac.uk/avocs08/avocs08.htm>

CALL FOR PAPERS

PROGRAM COMMITTEE

Alice Miller
(Glasgow, UK)
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(Glasgow, UK)
Sadie Creese
(Warwick, UK)
Michael Goldsmith
(Formal Systems, UK, co-chair)
Marta Kwiatkowska
(Birmingham, UK)
Christie Marr
(St Andrews, UK)
Stephan Merz
(LORIA, France)
Paritosh Pandya
(TIFR, India)
Nir Piterman
(Imperial College, UK)
Markus Roggenbach
(Wales Swansea, UK)
Bill Roscoe
(Oxford University, UK, co-chair)
Peter Ryan
(Newcastle, UK)
Helen Treharne
(Surrey, UK)
Sergio Yovine
(Verimag, France)
Irfan Zakiuddin
(Imperial College, UK)

IMPORTANT DATES

18 July: Paper submission deadline
22 August: Acceptance notification
5 September: Papers revised for preliminary proceedings
19 September: Registration deadline
30 September – 1 October: Workshop

CONTACT

Workshop organisers' email:
avocs08@dcs.gla.ac.uk

SUBMISSION

Via conference website:
<http://www.dcs.gla.ac.uk/avocs08/avocs08.htm>

SCOPE

The aim of AVoCS 2008 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, etc.). Contributions that describe different techniques, and industrial case studies are encouraged. This year, techniques and studies of ubiquitous, and possibly mobile systems, either use-centred or sensor based, are particularly welcome.

The technical programme 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 at the University of Oxford (2001 and 2007), the University of Birmingham (2002), the University of Southampton (2003), the Royal Society in London (2004), the University of Warwick (2005) and LORIA, Nancy (2006).

TOPICS

Topics include:

- 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

See webpage for submission details.

PROCEEDINGS

Preliminary proceedings 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.

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.