

AVoCS '05

Fifth International Workshop on
Automated Verification of Critical Systems
University of Warwick, UK, 12-13 September 2005
<http://www.dcs.warwick.ac.uk/~avocs05>

CALL FOR PAPERS

SCOPE

The aim of this workshop is to encourage interaction and exchange of ideas among members of the international research community. Particularly, we hope to achieve integration and transfer of knowledge between academia and industry. The workshop subject is to be interpreted broadly and inclusively. It covers all aspects of automated verification (model checking, theorem proving, specification, etc) pertaining to various types of critical systems, be it safety-critical, business-critical, or performance-critical.

The technical programme will consist of invited talks, regular papers, and short presentations. The workshop will be relatively informal, with an emphasis on discussion. Previous AVoCS workshops were held at the University of Oxford (2001), the University of Birmingham (2002), the University of Southampton (2003), and the Royal Society in London (2004).

TOPICS

Topics include: Specification and Refinement, Requirements Capture and Analysis, Model Checking: Theory, Tools and Applications, Abstract Interpretation, Theorem Proving, Software and Hardware Verification, Verification of Probabilistic and/or Real-Time Systems, Verification of Distributed Protocols including Security, Performance and Dependability Evaluation, Case Studies.

SUBMISSIONS

Contributions should have relevance to critical systems in a broad sense. Two types of contributions will be considered (for details, see workshop website): a) Regular Papers and b) Short presentations.

PROCEEDINGS

Preliminary proceedings will be published by the University of Warwick and distributed at the workshop. This will include preliminary versions of regular papers, and abstracts of short presentations. After the workshop, authors of regular papers will have an option to prepare a final version for proceedings in Electronic Notes in Theoretical Computer Science (Elsevier), and to submit a full version for a special issue of a high-quality international journal.

IMPORTANT DATES

- 13 June** deadline for submission of regular papers
- 18 July** acceptance notification
- 25 July** updated regular papers for printed proceedings
- 25 July** deadline for submission of short presentation abstracts

12-13 September workshop

INVITED SPEAKERS

1. Cliff Jones (Newcastle, UK)
2. James Worrell (Tulane, USA)

PROGRAMME COMMITTEE

Dragan Boshnachki (Eindhoven, Netherlands) Muffy Calder (Glasgow, UK) Sadie Creese (QinetiQ, UK) Michael Goldsmith (Formal Systems, UK) Michael Gordon (Cambridge, UK) John Harrison (Intel, USA) Gerard Holzmann (NASA JPL, USA) Michael Huth (Imperial College, UK) Antonin Kucera (Masaryk Brno, Czech Republic) Orna Kupferman (Hebrew University, Israel) Marta Kwiatkowska (Birmingham, UK) Ranko Lazic (Warwick, UK) [co-chair] Michael Leuschel (Dusseldorf, Germany) Rajagopal Nagarajan (Warwick, UK) [co-chair] David Nowak (CNRS & ENS Cachan, France) Paritosh Pandya (TIFR, India) Jakob Rehof (Microsoft Research, USA) Markus Roggenbach (Wales Swansea, UK) Bill Roscoe (Oxford, UK) Jim Woodcock (York, UK)

ORGANISING COMMITTEE

Ranko Lazic (Warwick, UK), Rajagopal Nagarajan (Warwick, UK), Nikolaos Papanikolaou (Warwick, UK) [publicity]

CONTACT

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