



Third Workshop on Automated Verification of Critical Systems : AVoCS 2003

April 2-3 2003, Southampton (UK)

AVoCS'03

Index

[Scope](#)
[Topics](#)
[Call for Papers](#)
[Instructions to Authors](#)
[Proceedings](#)
[Important Dates](#)
[Invited Speakers](#)
[Programme](#)
[Contact & Registration](#)
[Venue & Travel](#)
[Accommodation](#)
[Southampton Travel Info](#)
[Programme Committee](#)
[Sponsors & Supporters](#)
[Related Events:](#)
[AVoCS'01](#)
[AVoCS'02](#)

Scope

The aim of this workshop is to foster a research community in verification in and beyond the United Kingdom of Great Britain through encouraging communication among researchers. Specific objectives include efforts at integration as well as the transfer of methods between different groups from academia and industry. The topics are to be interpreted broadly and inclusively, and in particular cover all aspects of verification (model checking, theorem proving, specification and refinement proofs, etc) pertaining to various types of critical systems, be it safety-critical, business-critical, or performance-critical.

The first meeting, [AVoCS'01](#), was held in Oxford (UK), continuing in the tradition of the annual DERA/OUCL series.

The second meeting, [AVoCS'02](#), was held in Birmingham (UK).

Similarly to previous years, the meeting will be informal, and will combine invited lectures with accepted submissions. This year we also want to aim for wider, European and international attention.

Topics

Topics include but are not limited to:

- Specification and Refinement Methods
- 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

Call for Papers

Download self-contained [PDF call for papers](#).

Instructions to Authors

For the PreProceedings, which will be available at the workshop, submit in your abstract or extended abstract in Postscript or PDF format and a plain text abstract electronically to avocs@ecs.soton.ac.uk. Submissions should not exceed 16 10pt a4wide pages, all inclusive (but may be as short as 2 pages for abstracts).

Papers invited for the Final Proceedings (after the workshop) must be submitted in LaTeX in strict accordance to the publisher's style and layout regulations. (A corresponding LaTeX style file will be provided then.)

Proceedings

AVoCS'03 Pre-Proceedings will be published as a technical report of the University of Southampton. Final Proceedings of selected papers will be ISBN-published after the workshop so that the authors of these papers can incorporate new insights from the workshop in their final paper versions.

For the Final Proceedings, the authors of **the best** workshop presentations will be invited to submit, if they so wish, a *Full Paper* (of maximum 16 pages in the layout format requested by the book publisher). All other authors will be invited to submit a *Mini Paper/Abstract* (up to 4 pages) which summarises their workshop presentation as well as the discussion feedback experienced at the workshop.

Important Dates

Deadline for Submissions: March 3, 2003 (updated).

Notification of Acceptance: March 10, 2003.

Final Versions of PreProceedings Papers: March 25, 2003.

Deadline for Registration: March 20, 20023

Workshop: April 2 and 3, 2003.

Deadline for Final Proceedings Submissions after the Workshop: **to be announced**

Invited Speakers

[Doron Peled](#) , plus one further speaker **from Industry** to be announced

Programme

Not yet available. Two invited speakers are planned. A model checking tool competition is also planned.

Contact & Registration

Registration applications should be received by fax or surface mail by March 20, 2002.

Mail address:

Dr. Stefan Gruner *[Attn. AVoCS'03]*
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For all other communication concerning AVoCS'03, including submissions, please send e-mail at avocs@ecs.soton.ac.uk.

Venue & Travel & Dinner

Avenue Campus
University of Southampton, Southampton SO17 1BJ, United Kingdom.

Click [here](#) travel directions and for a map of the university campuses and surrounding area.

The conference dinner will be held April 2nd in the evening at the *Taste of Thailand, 11, Castle Way, Southampton, SO14 2BX*. Click [here](#) for a map.

Accommodation

Participants are kindly asked to book their own accomodation. [Here](#) is a list of hotels and guest houses.

Local Organisers

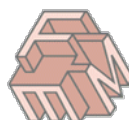
Stefan Gruner, *University of Southampton*
Michael Leuschel, *University of Southampton*

Programme Committee

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