



Proceedings of the
Ninth International Workshop on
Automated Verification of Critical Systems
(AVOCS 2009)

Preface

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2 pages

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AVOCS, the workshop on Automated Verification of Critical Systems, is an annual meeting that brings together researchers and practitioners to exchange new results on tools and techniques for the verification of critical systems. Topics of interest cover 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, or industrial case studies are encouraged.

This volume contains the proceedings of the ninth workshop on Automated Verification of Critical Systems (see also <http://www.cs.swan.ac.uk/avocs09/>), which was hosted by Swansea University, Wales, UK, and which took place during September 23–25, 2009, at the conference centre Gregynog.



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), LORIA, Nancy (2006), and the University of Glasgow (2008). AVoCS 2010 will take place in Düsseldorf, Germany.

In 2009 authors from twelve countries, namely from Algeria, Egypt, Estonia, France, Germany, India, Italy, Japan, The Netherlands, Portugal, the United Kingdom, and the United States, submitted papers to AVoCS.

AVoCS 2009 received 17 submissions for Full Papers, out of which 12 were selected for presentation at the workshop. Furthermore, AVoCS received 10 submissions for Short Contributions all of which were accepted. The selection process was carried out by the Program Committee, taking into account the originality, quality, and relevance of the material presented in each submission. The selected and revised Full Papers are included in this volume, together with the contributions from the invited speakers Ulrich Berger and Christoph Lüth.



I wish to thank all authors who submitted their papers to AVoCS 2009, Erwin R. Catesbeiana (Jr) for help with workshop organization on the fly, the Program Committee for its excellent work, the reviewers who supported the Program Committee in the evaluation and selection process, and Phillip James, Temesghen Kahsai, and Liam O'Reilly for the local organization.

I am grateful to the Department of Computer Science at Swansea University for hosting the event and thank IT Wales for sponsoring AVoCS 2009. AVoCS 2009 gratefully acknowledges the excellent cooperation with the Conference Centre Gregynog and the use of EasyChair, the conference management system by Andrei Voronkov.

Swansea, December 2009

Markus Roggenbach

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