



Proceedings of the
12th International Workshop on
Automated Verification of Critical Systems
(AVoCS 2012)

Preface

2 pages

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AVoCS 2012, the 12th International Workshop on *Automated Verification of Critical Systems*, was organized by the Software Technologies Research Group at the University of Bamberg, Germany, between 18–20th September 2012. AVoCS is an annual meeting of researchers and practitioners interested in tools and techniques for the verification of critical systems, understood in a broad and inclusive sense. Topics of interest cover all aspects of automated verification, including model checking, theorem proving, abstract interpretation, and refinement concepts suitable for various types of critical systems (safety-critical, security-critical, business-critical, performance-critical, etc.). Contributions that describe integrations of different techniques or applications to industrial case studies are of particular interest.

Previous editions of AVoCS were organized in Oxford (2001), Birmingham (2002), Southampton (2003), London (2004), Warwick (2005), Nancy (2006), Glasgow (2008), Swansea (2009), Düsseldorf (2010), and Newcastle (2011).

AVoCS 2012 received 29 submissions of full papers, out of which the programme committee decided to accept 11 for presentation at the workshop. AVoCS traditionally also offers the possibility for short presentations of ongoing work. Out of 8 such submissions, 5 were accepted. In addition, the workshop programme featured invited talks by Jon Holt, Michael Goldsmith, Jaco van de Pol and Christoph Weidenbach.

The present volume represents the workshop post-proceedings and contains revised versions of the full papers accepted by the programme committee, together with a paper that details the invited talk by Jaco van de Pol.

We wish to thank all authors who submitted contributions to AVoCS 2012, the invited speakers who agreed to present at the workshop, the members of the programme committee for their commitment to the success of the workshop, and the additional reviewers who supported the programme committee in the evaluation and selection process.

The workshop's organization would not have been possible without the generous support of the University of Bamberg, Formal Methods Europe, and medatixx GmbH & Co KG. The Easy-Chair conference management system designed by Andrei Voronkov proved once again to be an invaluable tool for communication within the programme committee and with the authors.

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