Preface

This volume contains the proceedings of the Sixth International Workshop on Automated Verification of Critical Systems (AVoCS 2006), which was held on September 18–19, 2006 in Nancy, France. The workshop is devoted to techniques and tools for the verification of critical systems, and applications thereof. It aims to bring together researchers from academia and industry who have an interest in formal verification, interpreted in a broad sense. Previous instances of AVoCS were held in Warwick (2005), London (2004), Southampton (2003), Birmingham (2002), and Oxford (2001).

The program of AVoCS 2006 consisted of 10 regular papers, which appear in this volume, and 8 short contributions. It was completed by the following invited talks:

- Byron Cook: Automatic termination proofs for software
- Véronique Cortier: Verification of cryptographic protocols: techniques and link to cryptanalysis
- Oded Maler: Fighting the Clock Explosion
- Bill Roscoe: The past, present and future of protocol checking with CSP and FDR

The regular papers were selected from 22 submissions. The accepted papers cover a range of topics including model checking, automatic and interactive theorem proving, and case studies. Each submitted paper was reviewed by at least three members of the program committee, which consisted of

- Patricia Bouyer, ENS Cachan, France
- Véronique Cortier, LORIA, Nancy, France
- John Harrison, Intel, U.S.A.
- Michael Huth, Imperial College, London, U.K.
- Marta Kwiatkowska, University of Birmingham, U.K.
- Ranko Lazic, University of Warwick, U.K.
We would like to thank the members of the program committee and the additional referees for their careful reviews.

AVoCS 2006 was organized by LORIA, the Lorraine Laboratory for Computer Science and its Applications, and we are grateful to the local organizers, especially Anne-Lise Charbonnier and Leonor Prensa Nieto, for their excellent support. The workshop would have been impossible without the financial support of the following sponsoring organizations, which is gratefully acknowledged: Conseil Régional de Lorraine, Communauté Urbaine du Grand Nancy, Université Henri Poincaré Nancy 1, Université Nancy 2, Institut National Polytechnique de Lorraine, and INRIA Lorraine.

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Stephan Merz
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