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Hybrid Systems: Computation and Control

9th International Workshop, HSCC 2006
Santa Barbara, CA, USA, March 29-31, 2006
Proceedings



Springer

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Library of Congress Control Number: 2006922526

CR Subject Classification (1998): C.3, C.1.m, F.3, D.2, F.1.2, J.2, I.6

LNCS Sublibrary: SL 1 – Theoretical Computer Science and General Issues

ISSN	0302-9743
ISBN-10	3-540-33170-0 Springer Berlin Heidelberg New York
ISBN-13	978-3-540-33170-4 Springer Berlin Heidelberg New York

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© Springer-Verlag Berlin Heidelberg 2006
Printed in Germany

Typesetting: Camera-ready by author, data conversion by Scientific Publishing Services, Chennai, India
Printed on acid-free paper SPIN: 11730637 06/3142 5 4 3 2 1 0

Preface

This volume contains the proceedings of the 9th Workshop on Hybrid Systems: Computation and Control (HSCC 2006) held in Santa Barbara, California, during March 29-31, 2006. The annual workshop on hybrid systems attracts researchers from academia and industry interested in modeling, analysis, and implementation of dynamic and reactive systems involving both discrete and continuous behaviors. The previous workshops in the HSCC series were held in Berkeley, USA (1998), Nijmegen, The Netherlands (1999), Pittsburgh, USA (2000), Rome, Italy (2001), Palo Alto, USA (2002), Prague, Czech Republic (2003), Philadelphia, USA (2004), and Zurich, Switzerland (2005). This year's HSCC was organized in cooperation with the Special Interest Group on Embedded Systems (SIGBED) of ACM.

The program consisted of 3 invited talks and 39 regular papers selected from 79 regular submissions. The program covered topics such as tools for analysis and verification, control and optimization, modeling, engineering applications, and emerging directions in programming languages support and implementation.

We would like to thank the Program Committee members and reviewers for an excellent job of evaluating the submissions and participating in the online Program Committee discussions. Special thanks also go to Francesco Bullo (University of California at Santa Barbara), P. R. Kumar (University of Illinois at Urbana-Champaign), and John Rushby (SRI International) for their participation as invited speakers. We are also grateful to the Steering Committee for their helpful guidance and support. Many other people worked hard to make HSCC 2006 a success and we acknowledge their help. We would like to express our gratitude to the US National Science Foundation, SRI International, and University of California at Santa Barbara for their financial support.

March 2006

João Hespanha
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Program Chair
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