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CONCUR 2005 – Concurrency Theory

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Preface

This volume contains the papers presented at CONCUR 2005, the 16th International Conference on Concurrency Theory. The purpose of the CONCUR series of conferences is to bring together researchers, developers, and students in order to advance the theory of concurrency and to promote its applications. This year's conference was in San Francisco, California, from August 23 to August 26.

We received 100 submissions in response to a call for papers. Each submission was assigned to at least three members of the Program Committee; in many cases, reviews were solicited from outside experts. The Program Committee discussed the submissions electronically, judging them on their perceived importance, originality, clarity, and appropriateness to the expected audience. The Program Committee selected 38 papers for presentation. Because of the format of the conference and the high number of submissions, many good papers could not be included. Although submissions were read and evaluated, the papers that appear in this volume may differ in form and contents from the corresponding submissions. It is expected that many of the papers will be further revised and submitted to refereed archival journals for publication.

Complementing the contributed papers, the program of CONCUR 2005 included invited lectures by Rajeev Alur, Luca Cardelli, Dawson Engler, and Christos Papadimitriou. Rajeev Alur's and Dawson Engler's lectures were jointly for CONCUR 2005 and SPIN 2005, one of 11 affiliated workshops that enhanced the program:

- BioCONCUR: Concurrent Models in Molecular Biology
- DisCoVeri: Distributed Algorithms Meet Concurrency Theory
- EXPRESS: Expressivity in Concurrency
- FIT: Foundations of Interface Technology
- FOCLASA: Coordination Languages and Software Architectures
- GETCO: Geometric and Topological Methods in Concurrency
- GT-VC: Graph Transformation for Verification and Concurrency
- INFINITY: Verification of Infinite-State Systems
- MoChArt: Model Checking and Artificial Intelligence
- SecCo: Security Issues in Concurrency
- SPIN: Model Checking of Software

We would like to thank the members of the Program Committee for their hard and expert work. We would also like to thank the CONCUR Steering Committee, the workshop organizers, the external reviewers, the authors, and the local organizers for their contributions to the success of the conference. Finally, we gratefully acknowledge the generous support received from Cisco Systems and from Microsoft Research.

Martín Abadi and Luca de Alfaro

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