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CONCUR 2011 – Concurrency Theory

22nd International Conference, CONCUR 2011
Aachen, Germany, September 6-9, 2011
Proceedings

Volume Editors

Joost-Pieter Katoen
RWTH Aachen University, Fachgruppe Informatik
Software Modeling and Verification
Ahornstraße 55, 52056 Aachen, Germany
E-mail: katoen@cs.rwth-aachen.de

Barbara König
Universität Duisburg-Essen, Fakultät für Ingenieurwissenschaften
Abteilung für Informatik und Angewandte Kognitionswissenschaft
Lotharstraße 65, 47057 Duisburg, Germany
E-mail: barbara_koenig@uni-due.de

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Preface

This volume contains the proceedings of the 22nd Conference on Concurrency Theory (CONCUR 2011) held in Aachen, Germany, September 6-9, 2011. The purpose of the CONCUR conference is to bring together researchers, developers, and students in order to advance the theory of concurrency and promote its applications.

This edition of the conference attracted 94 submissions. We would like to thank all their authors for their interest in CONCUR 2011. After careful reviewing and discussions, the Program Committee selected 32 papers for presentation at the conference. Each submission was reviewed by at least three reviewers, who wrote detailed evaluations and gave insightful comments. The conference Chairs would like to thank the Program Committee members and all their sub-reviewers for their excellent work, as well as for the constructive discussions. We are grateful to the authors for having revised their papers so as to address the comments and suggestions by the referees.

The conference program was greatly enriched by the invited talks by Parosh Aziz Abdulla (joint invited speaker with QEST 2011), Rachid Guerraoui, Wil van der Aalst, and Ursula Goltz.

This year the conference was jointly organized with the 8th International Conference on Quantitative Evaluation of Systems (QEST 2011) and the 6th International Symposium on Trustworthy Global Computing (TGC 2011). On the one hand, we wanted to acknowledge the increasing application of quantitative methods in concurrency theory and to strengthen the link to work on quantitative system evaluation. On the other hand, we wanted to emphasize the importance of safety and reliability in global computing.

In addition, CONCUR included the following satellite workshops:

- Third Workshop on Computational Models for Cell Processes (CompMod 2011)
- 18th International Workshop on Expressiveness in Concurrency (EXPRESS 2011)
- 10th International Workshop on Foundations of Coordination Languages and Software Architectures (FOCLASA 2011)
- Third Workshop on Games for Design, Verification and Synthesis (GASICS 2011)
- 4th International “Logics, Agents, and Mobility” Workshop (LAM 2011)
- ERCIM Working Group Meeting on Models and Logics for Quantitative Analysis (MLQA 2011)
- 9th International Workshop on Security Issues in Concurrency (SecCo 2011)
- Workshop on Structural Operational Semantics (SOS 2011)
- Young Researchers Workshop on Concurrency Theory (YR-CONCUR 2011)

We would like to thank everybody who contributed to the organization of CONCUR 2011. Furthermore, we thank the RWTH Aachen University, IVU

Traffic Technologies AG, the European Microsoft Innovation Center (EMIC) GmbH, and the Deutsche Forschungsgemeinschaft (DFG) for their financial support.

We are also grateful to Andrei Voronkov for providing us with his conference software system EasyChair, which was extremely helpful for the Program Committee discussions and the production of the proceedings.

September 2011

Joost-Pieter Katoen
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