# Preface

This volume contains the proceedings of the 11th International Conference on Concurrency Theory (CONCUR 2000) held in State College, Pennsylvania, USA, during 22-25 August 2000.

The purpose of the CONCUR conferences is to bring together researchers, developers, and students in order to advance the theory of concurrency and promote its applications. Interest in this topic is continuously growing, as a consequence of the importance and ubiquity of concurrent systems and their applications, and of the scientific relevance of their foundations. The scope covers all areas of semantics, logics, and verification techniques for concurrent systems. Topics include concurrency related aspects of: models of computation, semantic domains, process algebras, Petri nets, event structures, real-time systems, hybrid systems, decidability, model-checking, verification techniques, refinement techniques, term and graph rewriting, distributed programming, logic constraint programming, object-oriented programming, typing systems and algorithms, case studies, tools, and environments for programming and verification.

The first two CONCUR conferences were held in Amsterdam (NL) in 1990 and 1991. The following ones in Stony Brook (USA), Hildesheim (D), Uppsala (S), Philadelphia (USA), Pisa (I), Warsaw (PL), Nice (F), and Eindhoven (NL). The proceedings have appeared in Springer LNCS, as Volumes 458, 527, 630, 715, 836, 962, 1119, 1243, 1466, and 1664.

Of the 72 regular papers submitted this year, 34 were accepted for presentation and are included in the present volume. The conference included also talks by four invited speakers: Ed Brinksma (Universiteit Twente, NL), Alberto Sangiovanni-Vincentelli (UC at Berkeley, USA), Natarajan Shankar (SRI International, USA), and Eugene Stark (SUNY at Stony Brook, USA). Additionally, there were four invited tutorials by Rajeev Alur (University of Pennsylvania, USA), Rocco De Nicola (Università di Firenze, I), Philippa Gardner (University of Cambridge, UK), and C. R. Ramakrishnan (SUNY at Stony Brook, USA).

The conference had four satellite events:

- EXPRESS'00 (7th International Workshop on Expressiveness in Concurrency), organized by Luca Aceto and Björn Victor, held on 21 August 2000.
- GETCO 2000 (2nd Workshop on Geometric and Topological Methods in Concurrency Theory), organized by Eric Goubault, Maurice Herlihy, and Martin Raussen, held on 21 August 2000.
- YOO (Why Object-Orientation) organized by Arend Rensink, held on 26 August 2000.
- MTCS 2000 (First Workshop on Models for Time-Critical Systems) organized by Flavio Corradini and Paola Inverardi, held on 26 August 2000.

I would like to thank my conference co-chair, Dale Miller, the members of the program committee and their subreferees, the workshop chair, Uwe Nestmann, and the workshop organizers. I also would like to thank the invited speakers and

invited tutorial speakers, the authors of submitted papers, and all the partici-
pants of the conference. Special thanks go to Vladimiro Sassone for providing
the software that helped to handle the submissions and the electronic PC meet-
ing. Finally, I would like to thank the Department of Computer Science and
Engineering of the Pennsylvania State University for sponsoring the event and
providing many facilities.

I also would like to express all my gratitude and love to my husband Dale
Miller and to our baby daughter, Nadia Alexandra Miller, for their patience with
a wife and mom who was even busier than usual.

June 2000                                                  Catuscia Palamidessi

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