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# CONCUR '96: Concurrency Theory

7th International Conference  
Pisa, Italy, August 26-29, 1996  
Proceedings



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## Preface

The purpose of the **CONCUR** conferences is to bring together researchers, developers and students in order to advance the science of concurrency theory and promote its applications. Interest in the conference is continuously growing, as a consequence of the importance and ubiquity of concurrent systems and applications, and of the scientific relevance of their foundations. The first two meetings were held in *Amsterdam* in 1990 and 1991, the following meetings in *Stony Brook*, *Hildesheim*, *Uppsala*, and *Philadelphia*. The proceedings have appeared in Springer LNCS, as Vols. 458, 527, 630, 715, 836 and 962. The *Steering Committee* of **CONCUR** is composed of

|                                |                             |
|--------------------------------|-----------------------------|
| Jos Baeten (chair, Eindhoven), | Ugo Montanari (Pisa),       |
| Eike Best (Hildesheim),        | Scott Smolka (Stony Brook), |
| Kim Larsen (Aalborg),          | Pierre Wolper (Liège).      |

The conference **CONCUR'96** will be held in Pisa on August 26–29, 1996. This volume contains 37 papers, selected out of 133 submitted papers; seven invited papers (four invited talks and three tutorials) are also included. The selected papers are grouped into sessions on

*Process Algebras, Categorical Approaches, The  $\pi$ -Calculus, Decidability & Complexity, Probability, Functional & Constraint Programming, Petri Nets, Verification, Automata & Causality, Practical Models, Shared-Memory Systems.*

The invited talks are by *Samson Abramsky* (Edinburgh), *José Meseguer* (SRI), *Faron Moller* (Uppsala), *Wolfgang Reisig* (Berlin); the tutorials are by *Andrea Corradini* (Pisa), *Vijay Saraswat* (Xerox PARC), and *Bent Thomsen* (ICL/IC-PARC). In connection with the conference, some sessions devoted to demonstrations of (semi-)automatic academic tools for the analysis and verification of concurrent systems are organized. A satellite workshop on *Verification of Infinite State Systems (VISS)* will be held on Friday, August 30.

The members of the *Program Committee* of **CONCUR'96** are

|                                  |                                 |
|----------------------------------|---------------------------------|
| Luca Aceto (Aalborg and Sussex), | Luis Monteiro (Lisboa),         |
| Jan Bergstra (Utrecht),          | Mogens Nielsen (Aarhus),        |
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| Tom Henzinger (Berkeley),        | Walter Vogler (Augsburg),       |
| Ugo Montanari (Pisa, chair),     | David Walker (Warwick).         |

The program committee meeting was held electronically in the week from April 29 to May 4, 1996.

The members of the *Organizing Committee* of **CONCUR'96** are

Pierpaolo Degano (chair, Pisa),  
 Roberto Gorrieri (Bologna), Corrado Priami (Pisa),  
 Stefania Gnesi (IEI-CNR, Pisa), Vladimiro Sassone (Pisa).

The conference has received support from *Gruppo Nazionale Informatica Matematica – CNR*, *Office of Naval Research European Office*, *U.S. Air Force European Office*, and the *University of Pisa*.

Pisa, June 1996  
 Ugo Montanari  
 Program Committee Chair



## Referees

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