Preface

This special issue contains a selection of papers based on research presented at the 2nd Workshop on Concurrency and Compositionality, held in San Miniato (Pisa), Italy, from February 28th to March 3rd, 1990. The papers were submitted by invitation and were refereed in the usual way.

The workshop was organized within the CEDISYS (Concurrent and Distributed Systems) action of the Esprit Basic Research Programme, in collaboration with the DEMON (Design Methods Based on Nets) action. The objective of the workshop was to investigate various formalisms for describing and studying properties of distributed systems and to assess the development of a theory of concurrency (models, languages and logics with compositionality and abstraction capabilities), in which the distributed nature of processes is taken into account properly.

The talks and the discussions focussed on rewrite rules as a universal technique for describing concurrent systems, on the relationships between interleaving and true concurrency semantics, on the problems induced by refinement of actions, on new techniques for model checking and new logics for true concurrency, and on the application of concepts from concurrency theory to program verification. The collection of all twenty-five extended abstracts of the talks appeared as an internal report (TR-5/90) of the Dipartimento di Informatica, Università di Pisa.

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Guest Editors