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PREFACE

The papers collected in this volume are most of the material presented at the Advanced School on Mathematical Models for the Semantics of Parallelism, held in Rome at the *Istituto per le Applicazioni del Calcolo (IAC) "Mauro Picone"*, from September 24 to October 1, 1986.

The need nowadays for a comprehensive and clear presentation of the several semantical approaches to parallelism motivated the stress on mathematical models, by means of which comparisons among different approaches can also be performed in a perspicuous way.

Lecturers at the School were: E. Astesiano (Università di Genova), M. Broy (Universität Passau), J. de Bakker (Centre for Mathematics and Computer Science, Amsterdam), J.-Y. Girard (Université Paris VII), M. Hennessy (University of Sussex), U. Montanari (Università di Pisa), M. Nivat (Université Paris VII), A. Salwicki (Warsaw University), G. Winskel (Cambridge University).

Moreover seminars were given by G. Costa (Università di Genova), R. De Nicola (Istituto di Elaborazione dell'Informazione - CNR, Pisa), A. Kreczmar (Warsaw University), A. Labella (Università di Roma), G.F. Mascari (Istituto per le Applicazioni del Calcolo - CNR, Roma), A. Pettorossi (Istituto di Analisi dei Sistemi ed Informatica - CNR, Roma).

The School was organized under the auspices of the *Comitato Nazionale per le Scienze Matematiche* of CNR and the *European Association of Theoretical Computer Science*.

The Organizing Committee was composed of A. Pettorossi (IASI), G. Silveri (IAC) and M. Venturini Zilli (Director of the School, IAC).

The Organizing Secretariat was composed of G. Castellini (IAC) and M. Di Sarra (IAC).

I acknowledge the support during the School of the whole staff of IAC, especially G. Castellini, M. Di Sarra and G. Silveri. In particular, I want to express my gratitude and appreciation to G. Castellini and G. Silveri for their help with organizing the School and editing this Proceedings volume.

Rome, June 1987

Marisa Venturini Zilli

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