

Lecture Notes in Computer Science

Edited by G. Goos and J. Hartmanis

379

A. Kreczmar G. Mirkowska (Eds.)



Mathematical Foundations of Computer Science 1989

Porąbka-Kozubnik, Poland
August 28 – September 1, 1989
Proceedings



Springer-Verlag

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CR Subject Classification (1987): D.2.4, F.1.1, F.2-4, G.2.2, G.4, I.2.2

ISBN 3-540-51486-4 Springer-Verlag Berlin Heidelberg New York
ISBN 0-387-51486-4 Springer-Verlag New York. Berlin Heidelberg

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Printed in Germany

Printing and binding: Druckhaus Beltz, Hemsbach/Bergstr.
2145/3140-543210 – Printed on acid-free paper

PREFACE

The present volume contains papers selected for presentation at the 14th Symposium on Mathematical Foundations of Computer Science, MFCS '89, held in Porąbka-Kozubnik, Poland, August 28 – September 1, 1989.

The symposium is the fourteenth in the series of international meetings which have taken place since 1972. The first meeting was organized in Jabłonna, Poland and aimed at attracting computer scientists from West and East, both terms being understood in as general a sense as possible. The symposium focused the attention of its participants on theoretical issues of computer science. The next meetings were organized alternately in Czechoslovakia and Poland till 1981 and then every other year in Czechoslovakia only. The present conference aims at resuscitating the long tradition of alternating the organization of MFCS between Poland and Czechoslovakia.

Principal areas of the MFCS '89 conference include: logics of programs, parallel and distributed computations, deductive databases, automata and formal languages, algorithms and data structures, software specification and validity, complexity and computability theory.

The Proceedings include invited papers and communications. The latter have been selected by the International Program Committee from 102 submitted papers.

The Program Committee of MFCS '89 consists of : A. Arnold (Bordeaux), A. Blikle (Warsaw), J. de Bakker (Amsterdam), M. Chytil (Prague), P. van Emde Boas (Amsterdam), R. Freivalds (Riga), H. Genrich (Bonn), J. Gruška (Bratislava), H. Langmaack (Kiel), B. Monien (Paderborn), P. Mosses (Aarhus), G. Mirkowska (Warsaw), M. Protasi (Pisa), A. Salwicki (Warsaw), W. Wechler (Dresden).

The editors wish to thank all the members of the Program Committee for their meritorious work in evaluating the submitted papers. We would also like to thank all referees who assisted the members of the Program Committee:

I. Aalbersberg, E. H. Aarts, D. Ackermann, E. Astesiano, P. Atzeni, L. Banachowski, D. Bini, Ch. Blaue, J. Błażewicz, F. Boer, A. Borzyszkowski, G. Boudol, H. D. Burkhard, K-H. Buth, B. Buth, A. Caprani, I. Castellani, B. Courcelle, B. Chlebus, L. Czaja, P. Degano, K. Diks, P. Důriš, E. Fachini, R. Feldmann, G. Gambosi, W. Goerigk, U. Goltz, M. Grabowski, J. F. Groote, M. Hass, L. Holenderski, H. J. Hoogboom, H. Hun-

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MFCS '89 has been organized by the Institute of Informatics, University of Warsaw, in co-operation with the Association of Information Processing and with the financial support of the Polish Ministry of National Education (Grant RPI 09).

The Organizing Committee of MFCS '89 consists of K. Diks, M. Grabowski, A. Kreczmar, G. Mirkowska, A. Szalas.

We thank all the authors of the submitted papers for their valuable contributions and Springer-Verlag for their excellent co-operation in the publication of this volume.

Warsaw, May 1989

A. Kreczmar

G. Mirkowska

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