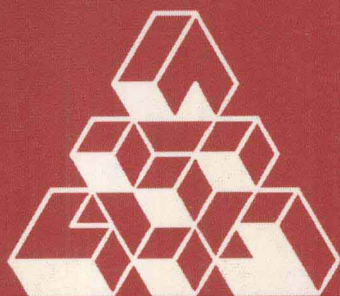


Joanna Jędrzejowicz
Andrzej Szepietowski (Eds.)

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30th International Symposium, MFCS 2005
Gdansk, Poland, August/September 2005
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Proceedings

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Preface

This volume contains the papers presented at the 30th Symposium on Mathematical Foundations of Computer Science (MFCS 2005) held in Gdansk, Poland from August 29th to September 2nd, 2005. Taking place alternately in the Czech Republic, Slovakia and Poland, this year the conference was organized by the Institute of Mathematics of Gdansk University.

From the first meeting in 1972 to this year's 30th event, the MFCS series has provided a basis for theoretical computer scientists to present their latest research results. The scope of the conference, consequently, covers all branches of theoretical computer science ranging from automata, algorithms, data structures, models of computation to complexity theory, also including artificial intelligence, computational biology, computational geometry and cryptography.

The 137 submissions from 22 countries revealed a continued strong interest in the conference as well as the high-quality research results the MFCS series stands for. The Program Committee carefully selected 62 papers for presentation at the conference complemented by 7 invited talks.

The meeting took place at a conference hotel located on Sobieszewo Island, 15 km from Gdansk, offering both a beautiful landscape with sandy beaches and forests and the possibility to explore the old Hanseatic city of Gdansk with its interesting history of over 1000 years.

Last but not least we have the pleasure to thank all the people involved in making the meeting a success: the authors for showing their interest by submitting their research results, the invited speakers for agreeing to attend the conference and for presenting their insights, the members of the Program Committee for thorough discussions during the selection process, and the referees for the effort of reading all the submissions. We would also like to thank the Organizing Committee for the excellent preparation and realization of the symposium, Springer for a smooth cooperation, and of course all the conference participants for creating an inspiring atmosphere.

June 2005

Joanna Jędrzejowicz
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