

Raúl Monroy
Gustavo Arroyo-Figueroa
Luis Enrique Sucar
Humberto Sossa (Eds.)

MICAI 2004: Advances in Artificial Intelligence

Third Mexican International Conference on Artificial Intelligence
Mexico City, Mexico, April 2004
Proceedings



Springer

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Proceedings



Springer

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Library of Congress Control Number: 2004103076

CR Subject Classification (1998): I.2, F.1, F.4.1, I.4

ISSN 0302-9743

ISBN 3-540-21459-3 Springer-Verlag Berlin Heidelberg New York

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Printed in Germany

Typesetting: Camera-ready by author, data conversion by PTP-Berlin, Protago-TeX-Production GmbH
Printed on acid-free paper SPIN: 10993606 06/3142 5 4 3 2 1 0

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Preface

The Mexican International Conference on Artificial Intelligence (MICAI) is a biennial conference established to promote research in artificial intelligence (AI), and cooperation among Mexican researchers and their peers worldwide. MICAI is organized by the Mexican Society for Artificial Intelligence (SMIA), in collaboration with the American Association for Artificial Intelligence (AAAI) and the Mexican Society for Computer Science (SMCC).

After two successful conferences, we are pleased to present the 3rd Mexican International Conference on Artificial Intelligence, MICAI2004, which took place on April 26–30, 2004, in Mexico City, Mexico. This volume contains the papers included in the conference main program, which was complemented by tutorials and workshops, published in supplementary proceedings. The proceedings of past MICAI conferences, 2000 and 2002, were also published in Springer-Verlag's Lecture Notes in Artificial Intelligence (LNAI) series, volumes 1793 and 2313.

The number of submissions to MICAI 2004 was significantly higher than those of previous conferences — 254 papers from 19 different countries were submitted for consideration to MICAI 2004. The evaluation of this unexpectedly large number of papers was a challenge, both in terms of the quality of the papers and of the review workload of each PC member. After a thorough reviewing process, MICAI's Program Committee and Programs Chairs accepted 97 high-quality papers. So the acceptance rate was 38.2%. CyberChair, a free Web-based paper submission and reviewing system, was used as an electronic support for the reviewing process.

This book contains revised versions of the 94 papers presented at the conference. The volume is structured into 13 thematic fields according to the topics addressed by the papers, which are representative of the main current area of interest within the AI community.

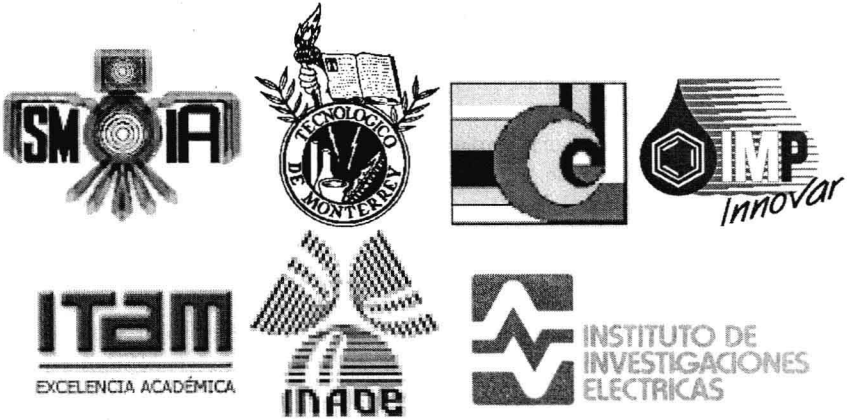
We are proud of the quality of the research presented at MICAI 2004, and hope that this volume will become an important archival reference for the field.

April 2004

Raúl Monroy
Gustavo Arroyo-Figueroa
Luis Enrique Sucar
Humberto Sossa

Organization

MICAI 2004 was organized by the Mexican Society for Artificial Intelligence (SMIA), in collaboration with the Tecnológico de Monterrey at Estado de México, Ciudad de México and at Cuernavaca, the Instituto de Investigaciones Eléctricas, the Instituto Politécnico Nacional, the Instituto Tecnológico Autónomo de México, the Instituto Mexicano del Petróleo, and the Instituto Nacional de Astrofísica, Óptica y Electrónica.



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Acknowledgements

We would like to thank Campus Ciudad de México of the Tecnológico de Monterrey, for their warm hospitality to MICA 2004. We would also like to thank our sponsors for providing financial support throughout the entire conference organization. We are deeply grateful to the conference staff, and the members of both the advisory board and the program committee. We would like to express our gratitude to Manuel Franco, Fernando Godínez and Juan Carlos López, who assisted on various tasks, including software installation, database maintenance and conference registration. We would also like to express our gratitude to the Gerencia de Sistemas Informáticos from IIE, for their support on the design, development and maintenance of the conference web page. Special thanks go to the Springer-Verlag staff, for editing this volume, and to Maricela Quintana and Ricardo Swain.

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