The Mexican International Conference on Artificial Intelligence (MICAI) is a yearly international conference series organized by the Mexican Society of Artificial Intelligence (SMIA) since 2000. MICAI is a major international Artificial Intelligence (AI) forum and the main event in the academic life of the country’s growing AI community.

MICAI conferences traditionally publish high-quality papers in all areas of Artificial Intelligence and its applications. This book contains the papers of the MICAI 2015 Special Session, which have been peer-reviewed by the international Program Committee of 172 experts representing 27 countries: Australia, Azerbaijan, Belgium, Brazil, Canada, Colombia, Czech Republic, Denmark, Finland, France, Germany, Greece, India, Israel, Italy, Japan, Mexico, New Zealand, Poland, Russia, Singapore, Spain, Sweden, Switzerland, Turkey, UK, and USA.

A total of 205 submissions from 34 countries (Argentina, Australia, Brazil, Canada, Chile, China, Colombia, Cuba, Czech Republic, Ecuador, France, Germany, India, Iran, Israel, Italy, Japan, Kazakhstan, Mexico, Pakistan, Peru, Poland, Portugal, Romania, Russia, Saudi Arabia, Slovakia, Spain, Switzerland, Taiwan, Tunisia, Turkey, UK, and USA) were considered for the Special Session, of which 36 papers were selected upon rigorous review by the International Program Committee. The acceptance rate for the Special Session therefore was 17.5%.

This book contains 36 papers structured into seven sections:

- Natural Language Processing
- Computer Vision and Image Processing
- Knowledge Representation, Reasoning, and Multi-agent Systems
- Optimization and Nature-Inspired Algorithms
- Machine Learning and Data Mining
- Robotics and Scheduling
- Applications

The book is of interest for researchers in all fields of AI, students specializing in related topics, and for the general public interested in AI developments.

MICAI 2015 was honored by the presence of renowned experts who gave excellent keynote lectures:

- Alexander Gelbukh, Instituto Politécnico Nacional, Mexico
- Gennady Osipov, Higher School of Economics, Russia
- Paolo Rosso, Universitat Politècnica de València, Spain
- Ruslan Salakhutdinov, University of Toronto, Canada
- Juan M. Torres Moreno, Université d’Avignon et des Pays de Vaucluse, France
- Zita Vale, Politécnico do Porto, Portugal

The technical program of the conference also featured tutorials presented by Roman Barták (Czech Rep.), Ildar Batyrshin (Mexico), Alexander Gelbukh (Mexico), Isai Rojas González (Mexico), Luis EnriqueSucar (Mexico), Zita Vale (Portugal), and Ivan Zelinka (Czech Rep.), among others. Four workshops were held jointly with the conference: the Eighth Workshop on Hybrid Intelligent Systems, HIS 2015; the Eighth Workshop on Intelligent Learning Environments, WILE 2015; the Second International Workshop on Recognizing Textual Entailment and Question Answering, RTE-QA 2015; and the First International Workshop on Intelligent Decision Support Systems (DSS) for Industry Application.

We want to thank all those involved in the organization of this conference. In the first place, these are the authors of the papers published in this book; it is their research work that gives value to the book and to the work of the organizers. We thank track chairs for their hard work, the Program Committee members, and the additional reviewers for their great effort spent on reviewing the submissions.

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