

# Preface

CISIM 2017 was the 16th of a series of conferences dedicated to computer information systems and industrial management applications. The conference was supported by IFIP TC8 Information Systems. This year it was held during June 16–18, 2017, in Białystok, Poland, at the Faculty of Computer Science of Białystok University of Technology.

In all, 85 papers were submitted to CISIM by researchers and scientists from a number of reputed universities in the Czech Republic, France, Germany, Hungary, India, Italy, Japan, Lithuania, Luxembourg, Malaysia, New Zealand, Poland, Portugal, South Korea, Tunisia, and USA. Most of the papers were of high quality. Each paper was assigned to at least two reviewers initially, and the accept decision was taken after receiving two positive reviews. In the case of conflicting decisions, another expert's review was sought for the respective papers. In total, about 200 reviews were collected from the referees for the submitted papers. In order to maintain the guidelines of Springer's Lecture Notes in Computer Science series, the number of accepted papers was limited. Furthermore, a number of electronic discussions were held between the Program Committee (PC) chairs and members to decide about papers with conflicting reviews and to reach a consensus. After the discussions, the PC chairs decided to accept for publication in the proceedings book the best 60 of the total submitted papers.

The main topics covered by the chapters in this book are biometrics, security systems, multimedia, classification and clustering, industrial management. Besides these, the reader will find interesting papers on computer information systems as applied to wireless networks, computer graphics, and intelligent systems.

There also was a Special Session on Engineering of Enterprise Software Products (organizers: Prof. Nabendu Chaki and Dr. Anirban Sarkar from University of Calcutta and National Institute of Technology Durgapur in India).

We are grateful to the four esteemed speakers for their keynote addresses. The authors of the keynote talks were Profs. Nabendu Chaki, University of Calcutta, India; Young Im Cho, Seoul University, South Korea; Mario Koeppen, Kyushu Institute of Technology, Japan; Witold Pedrycz, University of Alberta, Canada; Kenneth Regan, University at Buffalo (SUNY), USA. All the keynote abstracts are published in the proceedings.

We would like to thank all the members of the PC and the external reviewers for their dedicated efforts in the paper selection process, particularly Profs. Kateřina Slaninová, Debduitta Barmanroy, Jan Martinovič, and Pavel Moravec. We also thank the honorary chairs of the conference, Profs. Witold Pedrycz and Ryszard Tadeusiewicz. Special thanks are extended to the members of the Organizing Committee, both international and the local, and the team at Springer for their great efforts to make the conference a success. We are also grateful to Andrei Voronkov, whose EasyChair system eased the submission and selection process and greatly supported the compilation of the

proceedings. The proceedings editing was managed by Jiří Dvorský (Technical University of Ostrava, Czech Republic), to whom we are indeed very grateful.

We hope that the reader's expectations will be met and that the participants enjoyed their stay in the beautiful city of Białystok.

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