

Preface

The goal of the CORES series of conferences is the development of theories, algorithms, and applications of pattern recognition and machine learning methods. These conferences have always served as useful forum where researchers, practitioners, and students working in different areas of pattern recognition can meet to come together and help each other keeping up with this active field of research. This book is a collection of 52 carefully selected works which have been reviewed by the experts from the domain and accepted for presentation during the 10th International Conference on Computer Recognition Systems CORES 2017. We hope that the book can become the valuable source of information on contemporary research trends and most popular areas of application.

Editors would like to express their deep thanks to authors for their valuable submissions and all reviewers for their hard work, and we believe that this book could be a reference tool for scientists who deal with the problems of designing computer pattern recognition systems.

This year we are celebrating the 85th Anniversary of Prof. Juliusz L. Kulikowski from Nalecz Institute of Biocybernetics and Biomedical Engineering, Polish Academy of Sciences, who will be also plenary speaker during the conference. We will have also possibility to attend two outstanding keynote speeches by Prof. Katarzyna Stapor from Silesian University of Technology, Poland, and Dr. Bartosz Krawczyk from Virginia Commonwealth University, USA.

Although the last, not least, we would like to give special thanks to local organizing team (Konrad Jackowski, Dariusz Jankowski, Maciej Krysmann, Paweł Trajdos, Andrzej Żołnierek) who did a great job.

We would like also to fully acknowledge support from the Wrocław University of Technology, especially Prof. Andrzej Kasprzak—Chair of Department of Systems and Computer Networks and Prof. Czesław Smutnicki—Dean of Faculty of Electronics which have also supported this event.

We believe that this book could be a great reference tool for scientists who deal with the problems of designing computer pattern recognition systems.

May 2017

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Proceedings of the 10th International Conference on
Computer Recognition Systems CORES 2017

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2018, XV, 508 p. 167 illus., Softcover

ISBN: 978-3-319-59161-2