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Preface

The fifteenth event of the International Conference on Machine Learning and Data Mining MLDM was held in New York (www.mldm.de) running under the umbrella of the Worldcongress "The Frontiers in Intelligent Data and Signal Analysis, DSA2019" (www.worldcongressdsa.com).

For this edition the Program Committee received 245 submissions. After the peer-review process, we accepted 65 high-quality papers for oral presentation. The topics range from theoretical topics for classification, clustering, pattern mining to specific data mining methods for the different multimedia data types such as image mining, text mining, video mining and web mining. Extended versions of selected papers will appear in the *International Journal Transactions on Machine Learning and Data Mining* (www.ibai-publishing.org/journal/mldm).

A tutorial on Data Mining and a tutorial on Case-Based Reasoning were held before the conference that took pleasure to high participation of researchers and practioners from industry, social and public services.

We like to thank all presenter for your high-quality presentations and the audience for your high-professional questions and inspiring comments. All that has made the conference to a living and dreadful event. The presenters and the audience went home with a full bag of new insights into different topics the research and inspiring ideas for new work and research. Besides that, gave the banquet an excellent opportunity to network among the participants and set up new co-operations.

We like to thank all reviewers for their highly professional work and their effort in reviewing the papers. We also thank members of Institute of Applied Computer Sciences, Leipzig, Germany (www.ibai-institut.de) who handed the conference as secretariat. We appreciate the help and understanding of the editorial staff of ibai-publishing house (www.ibai-publishing.org) that prepared and published the proceeding books in two volumes.

We invite you to join us in 2020 in New York to the next Worldcongress (www.worldcongressdsa.com) "The Frontiers in Intelligent Data and Signal Analysis, DSA2020" that combines under his roof the following three events: International Conferences Machine Learning and Data Mining MLDM, the Industrial Conference on Data Mining ICDM , and the International Conference on Mass Data Analysis of Signals and Images in Artificial Intelligence and Pattern Recognition with Application in with Applications in Medicine, r/g/b Biotechnology, Food Industries and Dietetics, Biometry and Security, Agriculture, Drug Discover, and System Biology MDA-AI&PR.

July, 2019 Petra Perner

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