

Petra Perner (Ed.)

Machine Learning and Data Mining in Pattern Recognition

17th International Conference on Machine
Learning and Data Mining, MLDM 2021,
New York, USA, July 18-22, 2021
Proceedings

ibai Publishing

www.ibai-publishing.org

Volume Editor

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The German National Library listed this publication in the German
National Bibliography.
Detailed bibliographical data can be downloaded from <http://dnb.ddb.de>.

ibai-publishing
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04251 Leipzig, Germany
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<http://www.ibai-publishing.org>

P-ISSN1864-9734
E-ISSN2699-5220
ISBN 978-3-942952-81-1

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Preface

The seventeenth event of the International Conference on Machine Learning and Data Mining MLDM 2021 was held in New York (www.mldm.de) running under the umbrella of the World Congress “The Frontiers in Intelligent Data and Signal Analysis, DSA2021” (www.worldcongressdsa.com).

After the peer-review process, we accepted nineteen high-quality papers for oral presentation. Seventeen papers are published in the proceedings book. http://www.ibai-publishing.org/html/proceedings_2021/proceedings_mldm_2021.php The topics range from theoretical topics for classification, clustering, association rule and 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).

The tutorial days rounded up the high quality of the conference. Researchers and practitioners got an excellent insight in the research and technology of the respective fields, the new trends and the open research problems that we like to study further.

A tutorial on Data Mining, a tutorial on Case-Based Reasoning, a tutorial on Intelligent Image Interpretation and Computer Vision in Medicine, Biotechnology, Chemistry and Food Industry, and a tutorial on Standardization in Immunofluorescence were held before the conference.

We would like to thank all reviewers for their highly professional work and their effort in reviewing the papers. We would also thank the members of the FutureLab Artificial Intelligence IBal-2 (www.futurelab-ai-ibai-2.de), who handled the conference as secretariat. We appreciate the help and understanding of the editorial staff at ibai-publishing house, who supported the publication of these proceedings (<http://www.ibai-publishing.org/html/proceeding.php>).

Last, but not least, we wish to thank all the speakers and participants who contributed to the success of the conference. See you in 2022 in New York at the next World Congress (www.worldcongressdsa.com) on “The Frontiers in Intelligent Data and Signal Analysis, DSA2022”, which combines under its roof the following three events: International Conferences on Machine Learning and Data Mining, MLDM (www.mldm.de), the Industrial Conference on Data Mining, ICDM (www.data-mining-forum.de), and the International Conference on Mass Data Analysis of Signals and Images in Medicine, Biometry, Drug Discovery Biotechnology, Chemistry and Food Industry, MDA.

July 2021

Petra Perner

17th International Conference on Machine Learning and Data Mining – MLDM 2021

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