

# Preface

The 16th event of the Industrial Conference on Data Mining ICDM was held in New York ([www.data-mining-forum.de](http://www.data-mining-forum.de)) running under the umbrella of the World Congress on “The Frontiers in Intelligent Data and Signal Analysis, DSA 2016” ([www.worldcongressdsa.com](http://www.worldcongressdsa.com)).

After a peer-review process, we accepted 32 high-quality papers for oral presentation. The topics range from theoretical aspects of data mining to applications of data mining, such as in multimedia data, in marketing, in medicine, and in process control, industry, and society. Extended versions of selected papers will appear in the international journal *Transactions on Machine Learning and Data Mining* ([www.ibai-publishing.org/journal/mldm](http://www.ibai-publishing.org/journal/mldm)).

In all, ten papers were selected for poster presentations and six for industry paper presentations, which are published in the ICDM Poster and Industry Proceedings by ibai-publishing ([www.ibai-publishing.org](http://www.ibai-publishing.org)).

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 were pleased to give out the best paper award for ICDM for the eighth time this year (three announcements are mentioned at [www.data-mining-forum.de](http://www.data-mining-forum.de)). The final decision was made by the Best Paper Award Committee based on the presentation by the authors and the discussion with the auditorium. The ceremony took place during the conference. This prize is sponsored by ibai solutions ([www.ibai-solutions.de](http://www.ibai-solutions.de)), one of the leading companies in data mining for marketing, Web mining, and e-commerce.

We would like to thank all reviewers for their highly professional work and their effort in reviewing the papers.

We also thank the members of the Institute of Applied Computer Sciences, Leipzig, Germany ([www.ibai-institut.de](http://www.ibai-institut.de)), who handled the conference as secretariat. We appreciate the help and understanding of the editorial staff at Springer, and in particular Alfred Hofmann, who supported the publication of these proceedings in the LNAI series.

Last, but not least, we wish to thank all the speakers and participants who contributed to the success of the conference. We hope to see you in 2017 in New York at the next World Congress on “The Frontiers in Intelligent Data and Signal Analysis, DSA 2017” ([www.worldcongressdsa.com](http://www.worldcongressdsa.com)), which combines under its 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 Medicine, Biotechnology, Chemistry and Food Industry (MDA).

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