# **DATA ANALYTICS 2019**

## **Forward**

The Eighth International Conference on Data Analytics (DATA ANALYTICS 2019), held between September 22-26, 2019 in Porto, Portugal, continued the series on fundamentals in supporting data analytics, special mechanisms and features of applying principles of data analytics, application-oriented analytics, and target-area analytics.

Processing of terabytes to petabytes of data, or incorporating non-structural data and multi-structured data sources and types require advanced analytics and data science mechanisms for both raw and partially-processed information. Despite considerable advancements on high performance, large storage, and high computation power, there are challenges in identifying, clustering, classifying, and interpreting of a large spectrum of information.

The conference had the following tracks:

- Application-oriented analytics
- Big Data
- Sentiment/opinion analysis
- Data Analytics in Profiling and Service Design
- Fundamentals
- Mechanisms and features
- Predictive Data Analytics
- Transport and Traffic Analytics in Smart Cities

We take here the opportunity to warmly thank all the members of the DATA ANALYTICS 2019 technical program committee, as well as all the reviewers. The creation of such a high quality conference program would not have been possible without their involvement. We also kindly thank all the authors that dedicated much of their time and effort to contribute to DATA ANALYTICS 2019. We truly believe that, thanks to all these efforts, the final conference program consisted of top quality contributions.

We also gratefully thank the members of the DATA ANALYTICS 2019 organizing committee for their help in handling the logistics and for their work that made this professional meeting a success.

We hope that DATA ANALYTICS 2019 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress in the field of data analytics. We also hope that Porto provided a pleasant environment during the conference and everyone saved some time to enjoy the historic charm of the city.

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