

# DATA ANALYTICS 2012

## Forward

The First International Conference on Data Analytics (DATA ANALYTICS 2012), held on September 23-28, 2012 in Barcelona, Spain, was an inaugural event 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.

We take here the opportunity to warmly thank all the members of the DATA ANALYTICS 2012 technical program committee as well as the numerous reviewers. The creation of such a broad and 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 efforts to contribute to the DATA ANALYTICS 2012. We truly believe that thanks to all these efforts, the final conference program consists of top quality contributions.

This event could also not have been a reality without the support of many individuals, organizations and sponsors. We also gratefully thank the members of the DATA ANALYTICS 2012 organizing committee for their help in handling the logistics and for their work that is making this professional meeting a success. We gratefully appreciate to the technical program committee co-chairs that contributed to identify the appropriate groups to submit contributions.

We hope the DATA ANALYTICS 2012 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress in data analytics.

We hope Barcelona provided a pleasant environment during the conference and everyone saved some time for exploring this beautiful city.

### **DATA ANALYTICS 2012 Chairs:**

Sandjai Bhulai, VU University Amsterdam, The Netherlands

Joseph Zernik, Human Rights Alert (NGO), USA

Petre Dini, Concordia University, Canada / China Space Agency Center, China