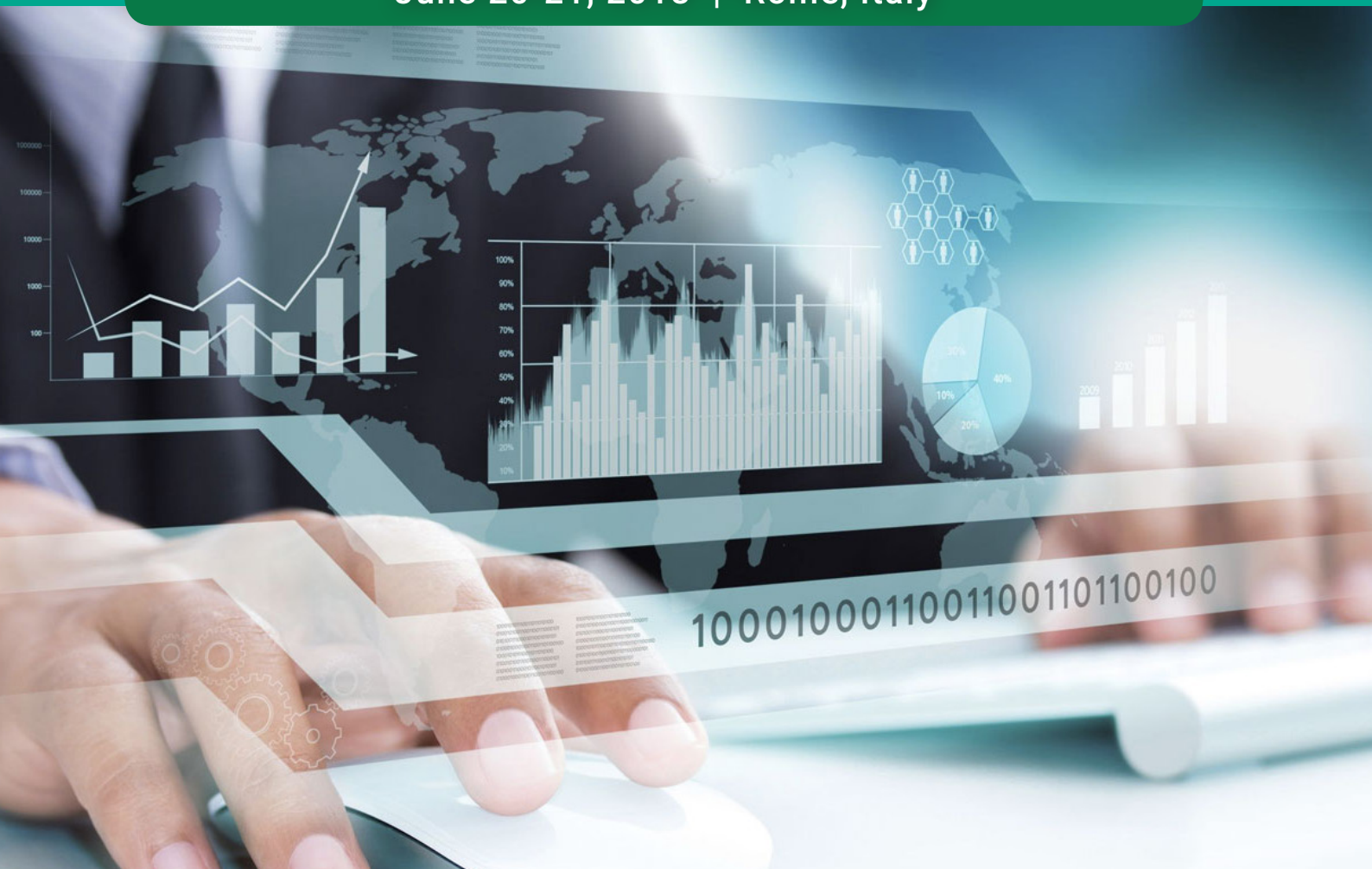


5th International Conference on

Big Data Analysis and Data Mining

June 20-21, 2018 | Rome, Italy



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Hall - Olimpica 2

conference**series**.com 09:30-09:35

Opening Ceremony

Keynote Forum

09:35-09:40 Introduction

09:40-10:30 **Title: Dynamic Programming Extensions for Decision and Inhibitory Tree Study**
Mikhail Moshkov, King Abdullah University of Science and Technology (KAUST), Saudi Arabia

10:30-11:10 **Title: BonAir - How to make sense of Big Data with real-time and predictive analytics business solutions with all integration**

Ergi Sener, Bonbon Tech, Turkey

Networking and refreshments break 11:10-11:30@ Foyer

11:30-12:10 **Title: Large-scale Twitter Interactive Analytics of Festivals: Visualization and Verbalization of Data**

Fionn Murtagh, University of Huddersfield, UK

Group Photo 12:10-12:15

Sessions: Data Mining Applications in Science, Engineering, Healthcare and Medicine | Data Mining Methods and Algorithms | Artificial Intelligence | Big Data Applications | Big Data Algorithm | Data Privacy and Ethics | Data Mining Analysis | Business Analytics | Optimization and Big Data | New visualization techniques | Clustering

Session Chair: Fionn Murtagh | University of Huddersfield, UK

Session Co-Chair: Chong-Yung Chi | National Tsing Hua University, Taiwan

12:15-12:45 **Title: Multilevel clustering models and dissimilarities**

Patrice Bertrand, PSL Research University, France

12:45-13:15 **Title: Ordinally equivalent patterns: an approach to improving visualization in parallel coordinates**

Boris Mirkin, University Higher School of Economics, Russian Federation

Lunch Break 13:15-14:15@ Hotel Restaurants

14:15-14:45 **Title: Data-enabled approaches to Sensitivity Analysis and Calibration in High-Dimensional Spaces**

Omar M. Knio, King Adullah University of Science and Technology, Saudi Arabia

14:45-15:15 **Title: Big Data Analytics in Valuing and Selecting Small- and Medium-Capital Stocks: An Indian Analysis**

Parameshwar P Iyer, Indian Institute of Science, India

15:15-15:45 **Title: A Convex Optimization Based Coupled Non-negative Matrix Factorization Algorithm for Hyperspectral and Multispectral Data Fusion**

Chong-Yung Chi, National Tsing Hua University, Taiwan

Networking and refreshments break 15:45-16:15 @ Foyer

Workshop

16:15-16:45 **Title: Some untraditional approaches to the processing of periodic signals, their analysis and estimating specific peculiarities**

Znak Vladimir, The Institute of Computational Mathematics and Mathematical Geophysics of SB RAS, Russia

16:45-17:15 **Title: Holistic Analysis and Management of Distributed Social Systems**
Peter Simon Sapaty, National Academy of Sciences, Ukraine

Panel Discussion

Day 2 June 21, 2018

Hall - Olimpica 2

Keynote Forum

Introduction

09:00-09:40 **Title: New Ways to present the Results of a Data Mining Process to an Expert**
Petra Perner, Institute of Computer Vision and applied Computer Sciences, IBAI, Leipzig

09:40-10:20 **Title: Prediction of Flight Departure Delay with Big Data**
Felix Chan, The Hong Kong Polytechnic University, Hong Kong

Networking and refreshments break 10:20-10:40@ Foyer

Sessions: Data Mining Applications in Science, Engineering, Healthcare and Medicine | Data Mining Methods and Algorithms | Data Mining Tools and Software | Big Data Applications | Data Mining Tasks and Processes | Data Privacy and Ethics | Big Data Technologies | Social network analysis | Business Analytics | Search and data mining | Clustering

Session Chair: Patrice Bertrand | PSL Research University, France

Session Co-Chair: Jose Manuel Lopez-Guede | University of the Basque Country, Spain

Session Introduction

10:40-11:10 **Title: Data Mining applied to Renewable Energies Industry**
Jose Manuel Lopez-Guede, University of the Basque Country, Spain

11:10-11:40 **Title: Big Data Mining for Applied Energy Savings in Buildings**
Joshua New, Oak Ridge National Laboratory, USA

11:40-12:10 **Title: Increasing the Use of Administrative Databases to Foster Innovation**
Andy Handouyahia, Employment and Social Development Canada, Canada

12:10-12:40 **Title: A Large-Scale Scientific Information Enrichment and Analysis**
Mustafa Sofean, FIZ Karlsruhe, Germany

12:40-13:10 **Title: Bringing Data to the Masses: Strategies to Make Analytics Accessible to Non-Experts**
Ryan Mandell, Mitchell International, USA

Lunch Break 13:10-14:10@ Hotel Restaurants

YRF Presentations

14:10-14:40 **Title: Multi-disciplinary data analysis of common psychological conditions**
Jannik Schaaf, Goethe University, Germany

14:40-15:10 **Title: Data Analysis, Machine Learning and Adaptive Algorithms for Research Quality Evaluation Methods**

Evangelia A.E.C. Lipitakis, University of Kent, England

15:10-15:40 **Big Data paradigm applied to epidemiological surveillance in Santander, Colombia**

Yuly Andrea Ramirez Sierra, Industrial University of Santander, Colombia

15:40-16:10 **Title: Extraction of Association Rules Based on Genetic Algorithm and Datamining Techniques**

Lylia Betit, University of Science and Technology Houari Boumediene, Algeria

16:10- 16:40 **Title: Diagnosis support for patients with rare diseases based on cross-institutional clinical-data**

Jannik Schaaf, Goethe University, Germany

Networking and refreshments break 16:40-17:00@ Foyer

Poster Presentation 17:00-17:30 @ Foyer

- DM-01** **Title: Some experience at supercomputer implementation for signal processing with the aid of ordered filters**
Titov Pavel, The Institute of Computational Mathematics and Mathematical Geophysics of SB RAS, Russia
- DM-02** **Title: Data mining in Diagnosis of Major Depression Disorder**
Masume Bakhtiari, Islamic Azad University, Iran
- DM-03** **Title: Compare the accuracy of eight data mining algorithms in the diagnosis of major depression disorder**
Masume Bakhtiari, Islamic Azad University, Iran

Panel Discussion

Award Funtion & Closing Cermony