

4th International conference on

BIG DATA ANALYSIS AND DATA MINING

September 07-08, 2017 Paris, France



Conference Series - America

One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA
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Conference Series - UK

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Sunset -1

conference**series**.com 08:45-09:00

Opening Ceremony

Keynote Forum

- 09:00-09:30 **Title: Big data, data hubs, sensors, iot and precision agriculture – Their effect on data collection, analysis, forecasting and survey processes**
Dr. Michael Valivullah, NASS, US Department of Agriculture, USA
- 09:30-10:00 **Title: Big data analysis and approximations in information systems**
En-Bing Lin, Central Michigan University, USA
- 10:00-10:30 **Title: Maintenance of engineering systems by big data**
Petra Perne, Institute of Computer Vision and Applied Computer Sciences, Germany

Group Photo 10:30-10:35

Networking and Refreshments Break 10:35-10:50 @ Foyer

- 10:50-11:20 **Title: Data Mining in Big Data Analytics: Exploiting Resolution Scale, Addressing Bias, Having Analytical Focus**
Fionn Murtagh, University of Huddersfield, UK

Plenary Session

- 11:20-11:50 **Title: Big data – Big challenge for public administration – experiences of pilot project in ministry of public administration of republic slovenia**
Karmen Kern Pipan, Ministry of Public Administration, Republic Slovenia
- 11:50-12:20 **Title: A complementary square-error clustering criterion and initialization of k-means**
Boris Mirkin, National Research University Higher School of Economics, Russia
- 12:20-12:50 **Title: Process before-after order data verification/prediction systems based on paraconsistent annotated logic program Bf-EVALPSN**
Kazumi Nakamatsu, University of Hyogo, Japan

Lunch Break 12:50-13:30 @ NCafé

- 13:30-14:00 **Title: Smart data acquisition and analysis for deep learning based systems**
Pavel Kisilev, Huawei Research, Israel
- 14:00-14:30 **Title: Predicting corporate misconduct**
Bennett B Borden, Drinker Biddle & Reath, USA
- 14:30-15:00 **Title: Exact data mining from inexact data**
Nikolaos Freris, New York University Abu Dhabi, UAE

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: Michael Valivullah, CTO, NASS, USA

Session Co-chair: Petra Perne, Institute of Computer Vision and applied Computer Sciences, Germany

Session Introduction

- 15:00-15:20 **Title: Scalable robust clustering method for large and sparse data**
Tommi Kärkkäinen, University of Jyväskylä, Finland
- 15:20-15:40 **Title: Data is not wrong, but your use of it might be!**
Fred Jacquet, Evangelist, France

15:40-16:00 **Title: An automatic data prediction system with business applications**

Morgan C. Wang, University of Central Florida, USA

Networking and Refreshments Break 16:00-16:15 @ Foyer

16:15-16:35 **Title: A novel linear-time and memory saving approach for visual exploratory data analysis: data embedding and graph visualization**

Witold Dzwiniel, AGH University of Science and Technology, Poland

16:35-16:55 **Title: Multi-objective optimization via visualization**

Nicolas Wesner, Mazars Actuariat, France

16:55-17:15 **Title: Multi-criteria Decision-making for purchasing cell phones using machine learning approach**

S N Mohanty, KIIT University, India

17:15-17:35 **Title: Big data - applied in healthcare context, the case study of diabetes**

Jenny Lundberg, Linnaeus University, Sweden

Young Researchers Forum

17:35-17:55 **YRF: Cost-Sensitive deep neural networks to address class imbalanced problem**

Kruy Seng, Lingnan University, Hong Kong

17:55-18:15 **YRF: Data driven intelligent analytics in education domain**

Prajakta Diwanji, FHNW University of Applied Sciences and Arts, Switzerland

18:15-18:35 **YRF: The domus-lig experimental living-lab methodology and the emoz platform: overview of spontaneous and ecological corpora - from small smart data to big data**

SASA Yuko, University Grenoble Alps, France

Panel Discussion

Day 2 September 08, 2017

Sunset -1

Keynote Forum

Introduction

09:00-09:30 **Title: Extensions of dynamic programming: Applications for decision trees**

Mikhail Moshkov, King Abdullah University of Science and Technology, Saudi Arabia

09:30-10:00 **Title: Disrupting retail analysis with patent applied wi-fi based advanced analytics solution - BonAir**

Ergi Sener, Bonbon Tech, Turkey

10:00-10:30 **Title: Effective choice and ranking of alternatives in search and recommendation problems**

Fuad Aleskerov, National Research University Higher School of Economics, Russia

Networking and Refreshments Break 10:30-10:50 @ Foyer

10:50-11:20 **Title: Data enabled approaches to sensitivity analysis, calibration and risk visualization in general circulation models**

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

Plenary Session

11:20-11:50 **Title: Big data winners and losers: The ethics of algorithms**

Bennett B. Borden, Drinker Biddle & Reath, USA

11:50-12:20 **Title: SQL on big data – Technology, architecture and innovations**

Sumit Pal, Independent Consultant , USA

12:20-12:50 **Title: Regulatory learning: What framework can be proposed to ensure that the financial environment can be controlled?**

Bertrand Hassani, Université Paris 1, France

Lunch Break 12:50-13:30 @ NCafé

- 13:30-14:00** **Title: Two applications of variable neighborhood search in data mining**
Pierre Hansen, GERAD and HEC Montréal, Canada
- 14:00-14:30** **Title: From knowledge to wealth: Intellectual property and technology licensing**
Parameshwar P Iyer, Indian Institute of Science, India
- 14:30-15:00** **Title: Big data analytics and visualization for healthcare – A glance into the AEGLE platform features via its presentation layer**
Nada Philip, Kingston University London, UK
- 15:00-15:30** **Title: Computerizing mathematical text, debugging proof assistants and object versus metal level**
Fairouz Kamareddine, Heriot-Watt University, UK

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: Fionn Murtagh, University of Huddersfield, UK

Session Co-chair: Narasimha Murty Yedidi, Electronic Arts, USA

Session Introduction

- 15:30-15:50** **Title: An innovation framework for big data**
Knut Hinkelmann, FHNW University of Applied Sciences and Arts, Switzerland
- 15:50-16:10** **Title: Prune the inputs, increase data volume, or select a different classification method – A strategy to improve accuracy of classification**
Alla Sapronova, Uni Research Computing, Norway
- 16:10-16:30** **Title: Business analytics applications in budget modelling to improve network performance**
Eleni Rozaki, Institute of Technology Tallaght, Ireland

Networking and Refreshments Break 16:30-16:45 @ Foyer

- 16:45-17:05** **Title: Powerful and novel multivariate statistical approaches in big data sets and in data mining with applications to bio-, medical-, and material-Informatics**
Derrick K. Rollins, Iowa State University, USA
- 17:05-17:25** **Title: Contextual exploration (EC3): A strategy for the detection, extraction and visualization of target data**
Christophe Jouis, LIP6 (CNRS -UPMC Sorbonne Université), France
- 17:25-17:45** **Title: Objective function-based clustering via near-Boolean optimization**
Giovanni Rossi, University of Bologna, Italy
- 17:45-18:05** **Title: Data mining via entropy: Application on trade database**
Abdul Basit, State Bank of Pakistan, Pakistan

Young Researchers Forum

- 18:05-18:25** **YRF: Implementation and performance comparison of wilson, holdout, and multiedit algorithm for edited k-nearest neighbor**
Febriana Misdianti, University of Manchester School of Computer Science, UK
- 18:25-18:45** **YRF: Deep learning classification for large behavioral data**
Sofie De Cnudde, Antwerp University, Belgium

Video Presentation

- 18:45-19:00** **Title: ADaGe – Automated dataset generator**
Joseph Bonello, University of Malta, Malta
- 19:00-19:15** **Title: Data mining applied to robotics**
Jose Manuel Lopez-Guede, University of the Basque Country, Spain

Panel Discussion

Awards & Closing Ceremony