

Special Session on “Advances in Data Science Theory and Interdisciplinary Applications”

ICCMIT '19 - The 5th International Conference on Communication, Management and Information Technology March 26-28, 2019, Vienna, Austria



TOPIC OF THE SPECIAL SESSION

In recent years, we testify an increasing amount of data in world history. More and more data is becoming available at scale on the internet, smartphones, corporations, or on the giant platforms such as Amazon. Data is transforming healthcare, transportation, smart cities, business, and interpersonal social communication. The need of data discovery constitutes new opportunities for building intelligent systems. It is a scientific challenge to develop powerful methods and algorithms, which improves the data collection, management, and extraction of relevant knowledge from a large volume of data coming from heterogeneous sources and in various formats. Machine learning techniques and data driven analytics could offer significant improvements in the discovery and exploitation of data in different areas and interdisciplinary applications.

This session aims to solicit high quality submissions on various aspects of Data Acquisition (eg. IOT, sensors), Access to the information (eg. Databases, security and privacy), Data Analytical techniques (eg. Machine learning, Natural language processing), Data Visualization (eg. geospatial representations, social networks, data mapping) and innovative Data Science Applications (eg. Smart communities, healthcare, e-commerce). We invite submissions that describe novel methods to address the challenges inherent to the following topics:

Topics of the Session:

- Data Science and Foundations
- Novel Theoretical / Computational Models for Data science
- Data and Information Quality
- New Data Standards
- Big Data Infrastructure
- Cloud/Grid/Stream Computing for Data Science
- High Performance/Parallel Computing Platforms
- Data Acquisition, Integration, Cleaning, and Best Practices
- Data Management
- Geospatial data Management
- Search and Mining of variety of data including scientific and engineering, social, sensor/IoT/wearables, and multimedia data
- Data Search Architectures, Scalability and Efficiency

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Author' s schedule :

- Paper deadline submission date
December 31, 2018
- Notification of acceptance
January 15, 2019
- Camera ready submission date
January 22, 2019
- Conference registration date
January 31, 2019
- Conference Date
March 26-28, 2019

For additional information please visit www.iccmit.net