DMIN 2017

http://dmin-2017.international-conference-on-data-mining.com/

Call for Papers

Special Session on Data Science

Organizers: Peter Geczy, Gary M. Weiss, Robert Stahlbock

Thematic Calls:

Exponential expansion of digital data, its diversity and complexity have been presenting numerous challenges to scientists and practitioners. Extensive amounts of data are being generated daily. The scale and growth of data considerably outpace technological capacities of organizations to process and manage it. This trend is expected to continue over the following years—bringing yet unforeseen challenges. Data Science—an emerging interdisciplinary endeavor—attempts to tackle data related challenges. This special session aims to provide a forum for researchers, educators and practitioners to present and discuss their methods, achievements and challenges. The topics of interest include, but are not limited to, the following:

- Data Science Foundations
- Data Science Education
- Data Science Applications
- Data Services
- Data Servitization
- Data Products
- Data Management
- Data Engineering
- Data Integration
- Data Architectures
- Data Lifecycle
- Data Quality
- Data Complexity
- Data Manipulation
- Data Generation
- Data Acquisition
- Data Retrieval
- Data Analytics
- Data Reduction

- Data Sampling
- Data Description and Metadata
- Data Types and Structures
- Structured, Semi-structured and Unstructured Data
- Data Frameworks
- Static and Dynamic Data
- Data Dynamics
- Data Variability
- Data Velocity
- Data Flows
- Data Streaming
- Data Transfers and Migrations
- Data Completeness and Partiality
- Data Pre-processing, Processing and Post-processing
- Data Mining and Knowledge Extraction
- Learning form Data
- Data-driven Discovery
- Data Visualization and Presentation
- Data Storage
- Data Retention
- Data Preservation and Conservation
- Data Contamination and Corruption
- Data Compromization
- Data Integrity
- Data Security and Protection
- Data Encryption
- Data Obfuscation
- Data Anonymization
- Data Noising and De-noising
- Open Data
- Linked Data
- Data Sharing
- Data Marts
- Data Warehouses
- Data Valuation
- Data Monetization
- Data-oriented Business Models
- Data Policies and Standards
- Privacy, Legislative and Regulatory Frameworks

Submission: All manuscripts should be submitted via the standard online submission process for DMIN conference. Please have a look at the [DMIN website](#) and in particular at the [info on submissions](#).

During the submission process, please select the track: **'DS - Special Session on Data Science'**.

Publication: All accepted papers will be published in printed conference proceedings (with international ISBN number). Selected high quality papers accepted and presented at the conference will be invited for an extended publication in the special issue of the *International Journal of Service Science, Management, Engineering and Technology* (indexed by JournalTOC, INSPEC, DBLP, Cabell's, Ulrich's, and others) and an edited book published by Springer.

Date and Venue: The special session will be held at the DMIN'17, July 17-20, 2017 at the Monte Carlo Resort and Casino in Las Vegas, Nevada, USA.

Questions: In case of further questions or assistance, please contact the special session organizers or the DMIN conference organizers via email at [special-session-chair@dmin-2017.international-conference-on-data-mining.com](#) or [conference-chair@special-session-chair@dmin-2017.international-conference-on-data-mining.com](#).