

Data Science and Data Services - Special Session ([DMIN 2016](#))

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 Transfers and Migrations
Data Science Education	Data Completeness and Partiality
Data Science Applications	Data Pre-processing, Processing and Post-processing
Data Services	Data Mining and Knowledge Extraction
Data Servitization	Learning from Data
Data Products	Data-driven Discovery
Data Management	Data Visualization and Presentation
Data Engineering	Data Storage
Data Integration	Data Retention
Data Architectures	Data Preservation and Conservation
Data Lifecycle	Data Contamination and Corruption
Data Quality	Data Compromization
Data Complexity	Data Integrity
Data Manipulation	Data Security and Protection
Data Generation	Data Encryption
Data Acquisition	Data Obfuscation
Data Retrieval	Data Anonymization
Data Analytics	Data Noising and De-noising
Data Reduction	Open Data
Data Sampling	Linked Data
Data Description and Metadata	Data Sharing
Data Types and Structures	Data Marts and Data Warehouses
Structured, Semi-structured and Unstructured Data	Data Valuation
Data Frameworks	Data Monetization
Static and Dynamic Data	Data-oriented Business Models
Data Dynamics	Data Policies
Data Variability	Data Standards
Data Velocity	Privacy
Data Flows	Data Protection Legislatives
Data Streaming	Data Regulatory Frameworks

Submission: All manuscripts should be submitted via the standard [submission](#) process for DMIN (www.dmin-2016.com). During the submission process, please select the track: '**DS - Special Session on Data Science and Data Services**'.

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 by Springer](#).

Organizers: Peter Geczy, Gary M. Weiss, Robert Stahlbock, Mahmoud Abou-Nasr, Chris Bowerman, David Baglee

Date and Venue: The special session will be held at the WorldComp during the Data Mining Conference (DMIN'16), July 25-28, 2016 in Las Vegas, Nevada, USA. Deadline for submissions: April 12, 2016 (extended).

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-2016.com or conference-chair@dmin-2016.com.