

# The 11th International Conference on Data Mining – DMIN'15

<http://www.dmin-2015.com>

## Call for Papers

### Special Session on Data Science

**Organizers: Peter Geczy, Mahmoud Abou-Nasr, Gary M. Weiss, Robert Stahlbock**

Expansion of digital data, its diversity and complexity has been presenting numerous challenges to scientists and practitioners. Massive amounts of data are being generated daily. Growth of data is rapidly exceeding our technological capabilities to manage and process it. This trend is expected to continue over the following years—bringing yet unforeseen challenges. It is pertinent that novel approaches, frameworks and technologies are developed to address these challenges. Data Science—an emerging scientific and educational field—attempts to approach these issues from an interdisciplinary perspective. This special session aims to provide a forum for researchers, educators and practitioners in the field of data science 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 Products and Services
- Data Engineering
- Data Lifecycle
- Data Quality
- Data Complexity
- Data Manipulation
- Data Acquisition
- Data Analytics
- Data Description and Metadata
- Data Types, Structures and Frameworks
- Structured, Semi-structured and Unstructured Data
- Static and Dynamic Data
- Data Dynamics and Variability
- Data Velocity, Transfers and Migrations
- Data Completeness and Partiality
- Data Pre-processing, Processing and Post-processing
- Data Mining and Knowledge Extraction
- Data Management
- Data Visualization and Presentation
- Data Storage, Retention, Preservation and Conservation
- Data Compromization, Contamination and Corruption
- Data Security, Protection and Encryption
- Data Marts, Valuation and Monetization
- Privacy, Legislative and Regulatory Frameworks

This special session of DMIN'15 will cover all aspects of data science. The special session will be held during the DMIN conference, July 27-30, 2015, in Las Vegas, Nevada, USA. All papers should be submitted using the standard procedures for DMIN papers (see <http://www.dmin-2015.com/submission.htm>). **For your submission of the draft paper, please select the Track 'DS - Special Session on Data Science'.** Any questions should be directed to the special session organizers or to one of the DMIN conference organizers via [special-session-chair@dmin-2015.com](mailto:special-session-chair@dmin-2015.com) or [conference-chair@dmin-2015.com](mailto:conference-chair@dmin-2015.com).