



The 1st International Conference on Data, Intelligence and Security April 8 -10, 2018, South Padre Island, USA

ICDIS-2018 aims to: (1) provide a unique forum where data management, data intelligence, and data security are all involved; (2) provide a forum for researchers, experts, professionals and stakeholders in related fields to disseminate their recent advances and share their views on future perspectives.

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Topics

The topics of ICDIS-2018 include three aspects. First, contributions on data management are welcome. Second, contributions on data intelligence are welcome, including works on how to learn from data and how to intelligently process data. Third, contributions on data security and privacy are also within the scope of the conference.

Particularly, the topics of interest include but are not limited to:

1. Data Management

- Data warehousing, OLAP, SQL analytics
- Data integration and data cleaning
- Information retrieval
- Storage, indexing, and physical database design
- Distributed and parallel databases
- Image and video processing & analysis
- Natural language processing
- Graph data management
- Social networks visualization and analysis
- Web data management and analysis
- Health Data Management and Analysis
- Semi-structured data
- Data feature Extraction
- Data dimension reduction
- Data visualization

2. Data Intelligence

- Big Data Intelligence
- Small-samples machine learning
- Deep learning
- Unsupervised learning and clustering
- Supervised learning and classification
- Reinforcement learning
- Case-based reasoning
- Statistical learning
- Conceptual learning
- Frequent pattern mining
- Association rules mining
- Learning/adaption of recognition and perception
- Learning for handwriting recognition
- Artificial neural network
- Optimization techniques for learning
- Data-driven evolutionary optimization
- Data-driven fuzzy systems design

3. Data Security and Privacy

- Big data security
- Biometrics
- Access control
- Authorization
- Intrusion detection
- Anomaly detection
- Fraud detection
- Information assurance
- Network security
- Secure cloud computing
- Secure multi-party computation
- System security
- Information hiding
- Data privacy
- Sensitive data collection
- Privacy-preserving data mining
- Privacy-preserving data publishing

Submissions

Submitted papers must not have been previously published or currently submitted for conference/journal publication elsewhere. **Student papers are particularly encouraged.** Please submit now your paper at <https://easychair.org/conferences/?conf=icdis18>.

Publications

The conference proceedings will be submitted to the IEEE Xplore® digital library. Selected best papers will be invited for further revision and extension for possible publication in a special issue of journals.

Important Dates

- **Paper Submission Deadline:** the last day of each month until December 31, 2017
- **Notification to Authors (Accept/Reject):** two months from each submission deadline (for example, for papers submitted before November 30, 2017, notifications will be sent out on January 31, 2018)
- **Deadline for camera-ready copies:** February 08, 2018
- **Conference date:** April 8 -10, 2018