



## CALL FOR PAPERS

### The 2025 (21th) International Conference on Data Science (ICDATA)

<https://icdata.org>

July 21-24, 2025, Luxor (MGM), Las Vegas, USA

Part of CSCE'24

<https://americancse.org/csce2025>

---

## Call for Papers

### Special Session on Real-World Data Mining Applications, Challenges, and Perspectives

**Organizer:** Mahmoud Abou-Nasr, Adjunct Faculty at the University of Michigan Dearborn, CIS Department (Computer & Information Systems), [abounasr@umich.edu](mailto:abounasr@umich.edu)

#### **Thematic Calls:**

The past decade has witnessed a vast growth in the amount of data produced and the proliferation of specialized databases in a wide range of business, industrial, medical, and scientific applications. Data mining is becoming an increasingly important tool in the process of knowledge discovery and the transformation of data into valuable information. This special session aims to provide a forum for data mining researchers and industrial practitioners to discuss data mining applications, issues, and the challenges that arise when addressing real-world problems.

Topics of interest include, but are not limited to, the following:

- Enterprise knowledge management/knowledge discovery
- Corporate Planning
- Direct Marketing
- Credit scoring
- Forecasting
- Automotive applications
- Medical decision making, diagnostics
- Bioinformatics
- Text- and image recognition

Challenges to be addressed include but are not limited to:

- Highly skewed data sets
- Massive and high dimensional data sets
- Non-stationary data
- Unknown misclassification costs
- Missing and noisy data
- Business process issues

**Submission:** All manuscripts should be submitted via the standard online submission process for ICDATA conference. Please have a look at the [ICDATA website](#) and in particular at the info on submissions. During the submission process, please select the track: '**RWACP - Special Session (Real-World Data Mining & Data Science Applications, Challenges...)**'.

**Publication:** All accepted papers will be published in printed conference books/proceedings (Springer Nature).

**Date and Venue:** The special session will be held at the ICDATA'25, July 21–24, 2025 at the Luxor (MGM) in Las Vegas, Nevada, USA.

**Questions:** In case of further questions or assistance, please get in touch with the special session organizer via [abounasr@umich.edu](mailto:abounasr@umich.edu) or the ICDATA conference organizers via [chair@icdata.org](mailto:chair@icdata.org).