



CALL FOR PAPERS

(**extended submission deadline: May 18, 2022**)

The 2022 (18th) International Conference on Data Science (ICDATA)

<https://icdata.org>

July 25-28, 2022, Luxor (MGM), Las Vegas, USA

Part of CSCE'22

<https://americancse.org/csce2022>

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@ieee.org

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Thematic Calls:

The past decade has witnessed a vast growth of 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. The objective of this special session is to provide a forum for the 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 & Indexation: ALL ACCEPTED PAPERS will be published in the corresponding proceedings by Publisher: Springer Nature - Book Series: Transactions on Computational Science & Computational Intelligence <https://www.springer.com/series/11769>. The indexation is subject to Springer science indexation which includes: [online Springer Link](#), [Scopus](#), [SCI Compendex](#), [EI Compendex](#), [EMBASE](#), [Web of Science](#), [Inspec](#), [ACM digital library](#), [Google Scholar](#), [EBSCO](#), and others.

Date and Venue: The special session will be held at the ICDATA'22, July 25–28, 2022 at the Luxor (MGM) in Las Vegas, Nevada, USA.

This year's Congress will be a hybrid event that combines a "live" in-person event with a "virtual" online component. We anticipate that most speakers will physically be attending (ie, most talks are expected to be face-to-face). Further infos are published on the website.

Questions: In case of further questions or assistance, please contact the special session organizer via abounasr@ieee.org or the ICDATA conference organizers via chair@icdata.org.