ICDAM-2025
6th International Conference on Data Analysis and Management

Organized by *London Metropolitan University, London, UK (Venue Partner)*
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WSG University, Bydgoszcz, Poland, Europe
&
Portalegre Polytechnic University, Portugal, Europe
&
BPIT, GGSIPU, Delhi
Date: 13th - 14th June 2025

*************** CALL FOR PAPERS ***************

SPECIAL SESSION ON
Intelligent industrial design

SESSION ORGANIZERS:

Dr. Souvik Das, Assistant Professor, NIT Rourkela, INDIA (dass@nitrkl.ac.in)

SESSION DESCRIPTION:

Intelligent industrial design seamlessly integrates interaction design, safety by design, and human factors and ergonomics to create efficient, safe, and user-friendly systems. Interaction design ensures that interfaces and workflows are intuitive, enhancing usability and productivity. Safety by design prioritizes the identification and mitigation of risks from the outset, safeguarding both operators and equipment. Human factors and ergonomics focus on tailoring the design to fit human capabilities and limitations, reducing fatigue and error while improving comfort and performance. The application of AI and ML further enhances intelligent industrial design by enabling predictive maintenance, optimizing processes, and providing real-time data analysis, which leads to smarter decision-making and continuous improvement in industrial operations.

RECOMMENDED TOPICS:

Topics to be discussed in this special session include (but are not limited to) the following:

- **Data analytics and machine learning for Industrial Design**
- **Safety Engineering and Analytics**
- **Human Factors in Design**
- **Interaction Design and Analytics**
- **Design for cost and sustainability**
- **Intelligent product design**

SUBMISSION PROCEDURE:

Submission Guidelines: https://icdam-conf.com/downloads . All submitted papers will be reviewed on a double-blind, peer-review basis.

NOTE: While submitting a paper in this special session, please specify **[SESSION NAME]** at the top (above paper title) of the first page of your paper.

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