



10th International Conference on Control,
Decision and Information Technologies

July 01- 04, 2024

Valletta, Malta

CALL FOR PAPERS - SPECIAL SESSION

“Smart Manufacturing Ecosystems: Integrating Industry 4.0 Innovations for Sustainable and Efficient Production”

for **CODIT 2024**

July 01-04, 2023 ▪ Valletta, Malta

Session Co-Chairs:

Dr. Mazzlida Mat Deli, Universiti Kebangsaan Malaysia, Malaysia - (email: mazzlida@ukm.edu.my)

Session description:

This special session deals with the problem of exploration of advanced manufacturing technologies, industrial processes, and the seamless integration of Industry 4.0 principles. Participants can delve into topics such as smart factories, automation, digital twins, IoT applications, and sustainable practices within the broader context of creating intelligent and efficient manufacturing ecosystems. The theme encompasses interdisciplinary discussions on how technological advancements can enhance productivity, reduce environmental impact, and contribute to the evolution of the manufacturing industry.

The goal is to;

1. Facilitate Knowledge Exchange:

Foster an environment where researchers, practitioners, and industry experts can share their latest findings, experiences, and insights related to smart manufacturing ecosystems and Industry 4.0 innovations.

2. Promote Interdisciplinary Collaboration:

Encourage collaboration and knowledge transfer among participants from diverse fields such as manufacturing, industrial processes, technology integration, and sustainability, fostering a holistic approach to smart manufacturing.

3. Showcase Cutting-edge Technologies:

Highlight and explore the latest advancements in Industry 4.0 technologies, including IoT, artificial intelligence, automation, and digital twins, and their applications in creating intelligent and efficient manufacturing ecosystems.

4. Address Sustainability Challenges:

Discuss strategies and innovations that contribute to sustainable manufacturing practices, such as energy efficiency, waste reduction, and environmentally conscious manufacturing processes.

The topics of interest include, but are not limited to:

- **Digital Twins in Manufacturing**
- **IoT-enabled Smart Factories**
- **Human-Centric Manufacturing**
- **Sustainable Manufacturing Practices**
- **Cyber-Physical Systems in Manufacturing**
- **AI and Machine Learning in Production Optimization**
- **Blockchain in Supply Chain Transparency**
- **Augmented Reality (AR) in Manufacturing**
- **Energy-Efficient Manufacturing**
- **Collaborative Robotics (Cobots)**
- **Smart Sensors and Actuators**
- **Data Security and Privacy in Industry 4.0**
- **Digital Transformation in Supply Chain Management**
- **Innovations in Additive Manufacturing (3D Printing)**
- **Education and Workforce Development in Smart Manufacturing**

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **February 03, 2024:** <http://controls.paperecept.net/conferences/scripts/start.pl>. In PaperCept, click on the **CoDIT 2024 link** “Submit a Contribution to CoDIT 2024” and follow the steps.

IMPORTANT: All papers must be written in English and should describe the original work. The length of the paper is limited to a maximum of 6 pages (in the standard IEEE conference double-column format).

DEADLINES

February 03, 2024: deadline for paper submission

April 14, 2024: notification of acceptance/reject

May 10, 2024: deadline for final paper and registration