

**INTERNATIONAL CONFERENCE ON COMPUTATIONAL MODELING,
SIMULATION AND OPTIMIZATION (ICCMO-2022)**
Asian Institute of Technology Conference Center Bangkok, Thailand
December 23-25, 2022

CALL FOR PAPERS IN THE SPECIAL SESSION

“Industry 4.0 driven Advanced Manufacturing system”

SESSION CHAIR(S):

Dr. Vishal Ashok Wankhede

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Abstract: The objective of this session is to understand the current advancement in manufacturing systems. Industry 4.0 introduced several disruptive technologies to improve productivity, flexibility, and quality across manufacturing industries. The crucial role of additive manufacturing, Internet of Things, Big data analytics etc. has been seen in optimizing all aspects of process value chain. Advance manufacturing represents utilization of digital technologies to improve industry’s competitiveness in the manufacturing sector. Some of the key which can focus upon to product positive impact of Industry 4.0 are sustainability, agile manufacturing, productivity improvement, Customization etc. With respect to this aspect, this session aimed to present application of Industry 4.0 in transforming manufacturing system in terms of identifying its challenges, barriers, and motivating factors. Further, the session also aimed to discuss various aspect of supply chain which in turn helps in deploying advance manufacturing system.

Topics of Interest:

The topics of interest include, but not limited to,

- Smart Manufacturing
- Challenges/barriers in adoption of Industry 4.0 in manufacturing system
- Processing of smart materials
- Optimization of supply chain
- Dynamic routing
- Block chain application in supply chain
- Machine learning application in additive manufacturing
- Development of novel material using additive manufacturing
- Sustainability in Industry 4.0 and additive manufacturing
- Cyber physical system-based manufacturing system
- Internet of Things enabled manufacturing
- Maintenance 4.0

Important Deadlines

Round 1 (Early Bird)

Submission: 30th September 2022

Notification 20th October 2022

Final paper submission: 27th
October 2022

Registration: 01 November 2022

Round 2 (Regular)

Submission: 30th October 2022

Notification: 20th November 2022

Final paper submission: 27th
November 2022

Registration: 01 December, 2022

Registration

Please visit conference webpage
for registration and other details:

<http://iccmso.com/registration/>

Publication(s)

All accepted, registered and
Presented Paper will be
submitted for inclusion into
SCOPUS Indexed conference
Proceedings.

For details, Please visit
<http://iccmso.com/>.

Contact

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- Quality 4.0
- Drivers for smooth integration of Industry 4.0 and advanced manufacturing
- Supply chain resiliency using digital technologies
- Advance manufacturing processes
- Modelling and Optimization

Keywords: Industry 4.0, Smart Materials, Cyber-Physical systems, Additive Manufacturing

Note: All the papers will be handled through easychair conference management system through [Electronic Submission System](#). It is a mandatory requirement that all papers submitted for this session must also be e-mailed to vishal.wankhede06@gmail.com along with the easychair Paper id.