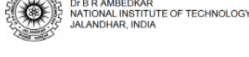
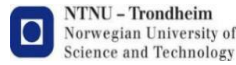


# IWAMA 2021

## 11<sup>th</sup> International Workshop of Advanced Manufacturing and Automation

11 – 12 October 2021

Henan Polytechnic, Zhengzhou, Henan, China



### First Announcement and Call for Papers

**IWAMA – International Workshop of Advanced Manufacturing and Automation** – is an important international workshop for academic and industrial experts in the fields of advanced manufacturing and automation and will be organized as an annual event worldwide. Manufacturing and automation have assumed paramount importance and are vital factors for the maintenance and improvement of the economy of a nation and the quality of life. The field of manufacturing and automation is advancing at a rapid pace and new technologies are also emerging in the field. The challenges faced by today's engineers are forcing them to keep on top of the emerging trends through continuous research and development.

**IWAMA** aims at providing a common platform for academics, researchers, practicing professionals, and experts from industries to interact and discuss trends and advances in some areas of manufacturing and automation while sharing ideas and perspectives.

### Workshop Topics

These are the main topics of IWAMA2021, but the topics are not limited to these. Authors should select 2-3 topics when they submit their papers.

1. Industry 4.0 and 5.0
2. Robotics and Automation
3. AI & Computational Intelligence
4. Intelligent Manufactory
5. Design and Optimization
6. Product Life-cycle Management
7. Advanced Manufacturing Systems
8. Manufacturing Operations Management
9. Smart Aquaculture technology
10. Knowledge management and Decision making
11. Manufacturing Quality Control and Management
12. Sustainable Production
13. Diagnosis and Prognosis of Machines
14. Lean and Agile Manufacturing
15. Virtual and Grid Manufacturing
16. Resource and Asset Management
17. Logistics and Supply Chain Management
18. Fashion Logistics and Marketing
19. RFID Applications
20. Predictive and Cognitive Maintenance
21. 3D printing
22. Intelligent Inspection
23. Chemical process equipment
24. Parallel mechanism and manipulator
25. Integration of CAD/CAPP/CAM/CIMS
26. Smart factory

### Submission of Papers

Authors are invited to submit their papers presenting the results of original research or innovative practical applications relevant to the workshop. The papers should be min. 6 and max. 8 pages. Pages over 8 will be charged additionally. The paper should be written in English according to the paper template, which can be downloaded from the IWAMA website (<http://iwama.group>). The paper should be sent to [yi.wang@plymouth.ac.uk](mailto:yi.wang@plymouth.ac.uk) or [kesheng.wang@ntnu.no](mailto:kesheng.wang@ntnu.no). The presentation at the workshop should not exceed 15 minutes. Full papers can be submitted to Kesheng Wang ([kesheng.wang@ntnu.no](mailto:kesheng.wang@ntnu.no)) or the IWAMA website. We also make a poster session and industry session.

Each paper will be peer-reviewed by two experts and all accepted papers **will be published as proceedings in Lecture Notes of Electrical Engineering (LNEE) by Springer, which will be indexed by EI compendex**. Selected papers will be considered for publication in an expanded form in relevant international journals, such as Advances in Manufacturing, Journal of Intelligent Manufacturing, Application of Expert systems, or others indexed by EI or SCI.

## Registration and fees

Regular registration: £300  
Audience registration: £100  
Additional paper: £150  
Additional sheet: £40  
Poster paper: £150

**Visa** – If requested, our workshop secretariat will provide an invitation letter to the participant to present together with the visa request to make the visa procedure simpler and faster.

**Venue** – The workshop will take place in Henan Polytechnic, Zhengzhou, Henan, China.

## Regular and audience registration fees include:

Admission to all sessions  
Workshop kit  
Refreshment in coffee breaks  
Lunches and conference dinners

*\*Regular and poster papers are included in the Proceedings.*

## Accommodation & travel information

Attendees will be suggested to book the hotel proposed later on. Visitors arrive at Zhangzhou Airport and then may take a Taxi or bus to the hotel in Zhengzhou City. The daily temperature in October in Zhengzhou is about 20°C.

## Important Dates

First announcement 01.02 2021  
Paper submission deadline 01.06 2021  
Acceptance notification 15.06 2021  
Final camera-ready paper submission 15.07 2021

## Honorary Chairs

Minglun Fang, Kesheng Wang and Jan Ola Stradnagen

## General Chairs

Yi Wang, Kristian Martinsen and Tao Yu

## Program Committee

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Zumin Wang, China  
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Vishal S. Sharma, India  
Hongjun Ni, China  
Ziqiang Zhou, China  
Yuan He, China  
Zhengyu Hong, China  
Bing Liu, China  
Sang Ming Luo, China

## Organizing Committee

Long Xiao (Chair), Xueping Chu, Meijiao Wang, Haishu Ma, Bo Chen, Shifeng Chen, Jian Wu, Ming Chen, Lilan Liu, Quijuan Lin

## Workshop Secretariat

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