IWAMA 2021

11th 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 or 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) 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, Zhenzhou, Henan, China.

Registration and fees

Regular and audience registration fees include:

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, Zhenzhou, Henan, China.

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

Jan Ola Strandhagen, Norway
Kesheng Wang, Norway
Odd Myklebust, Norway
Per Schjølberg, Norway
Knut Sørby, Norway
Erlend Alfnes, Norway
Fabio Sagrbozza, Norway
Torgeir Welo, Norway
Kristian Martinsen, Norway
Hirpa L. Gelgele, Norway
Wei D. Solvang, Norway
Yi Wang, UK
Chris Parker, UK
Jorge M. Fajardo, Spain
Maria J. Calle, Spain
Torsten Kjellberg, Sweden
Fumihiko Kimura, Japan
Gustav J. Olling, USA
Michael Wozny, USA
Byoung K. Choi, Korea
Wladimir Bodrow, Germany
Guy Doumeingts, France
Van Houten, Netherlands
Peter Bernus, Australia
Janis Grundspenks, Latvia
George L. Kovacs, Hungary
Rinaldo Rinaldi, Italy
Gaetano Aiello, Italy
Romeo Bandinelli, Italy
Yong Gan, China
Jinhui Yang, China
Dawei Tu, China
Lilan Liu, China
Xiaoqian Tang, China
Ming Chen, China
Xinguo Ming, China
Keith C. Chan, China
Meiping Wu, China
Bo Chen, China
Long Xiao, China

Shouqi Cao, China
Xiaojing Wang, China
Jin Yuan, China
Cuilian Zhao, China
Chuanzhong Zhou, China
Jianqing Cao, China
Yayu Huang, China
Shirong Ge, China
Gujian Lin, China
Shanning Luo, China
Benhian Xu, China
Zumin Wang, China
Guohong Dai, China
Sarbjit Singh, India
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, Qujuan Lin

Workshop Secretariat

Jian Wu (jian.wu@cslg.edu.cn)  Haishu Ma (504002129@qq.com)  Xueping Chu (75965420@qq.com)