

Special Issue

Novel and Innovative Systems for the Factories of the Future

Message from the Guest Editors

The work environments in the factories of the future will imply new approaches to existing work systems. The introduction of new technologies on the shop floor and in management will result in new ways of managing production systems and human resources. The Industry 5.0 approach has refocused the human being at the centre of production systems. However, this approach brings new challenges, namely, the management of very complex work environments with an ageing workforce that is not used to new technologies, nor comfortable with human-technology interaction. Allied to all these changes in the world of work, sustainability will also be a challenge for organizations, governments, and stakeholders. Topics of interest include but are not limited to:

- Occupational Safety and Health monitoring systems;
- Human Factors and Ergonomics challenges and opportunities;
- Decision support systems to assist in the transition to the industry 5.0 work environment;
- Human-Technology-Organization interaction
- New production management systems;
- Facilitating strategies to collaborative work;
- Sustainability of the factories of the future;
- Novel and emerging technologies to promote OSH.

Guest Editors

Dr. Tânia M. Lima

C-MAST-Center for Mechanical and Aerospace Science and Technologies, University of Beira Interior, 6201-001 Covilhã, Portugal

Prof. Dr. Pedro Dinis Gaspar

C-MAST-Center for Mechanical and Aerospace Science and Technologies, University of Beira Interior, 6201-001 Covilhã, Portugal

Deadline for manuscript submissions

closed (31 October 2022)



Applied System Innovation

an Open Access Journal
Published by MDPI

Impact Factor 3.7
CiteScore 9.9



mdpi.com/si/115303

Applied System Innovation
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
asi@mdpi.com

mdpi.com/journal/

[asi](https://mdpi.com/journal/asi)





Applied System Innovation

an Open Access Journal
Published by MDPI

Impact Factor 3.7
CiteScore 9.9



[mdpi.com/journal/
asi](https://mdpi.com/journal/asi)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Christos Douligeris
Department of Informatics, University of Piraeus, 18534 Piraeus,
Greece

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, ESCI (Web of Science), Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /
CiteScore - Q1 (Applied Mathematics)