



Novel and Innovative Systems for the Factories of the Future

Guest Editors:

Dr. Tânia M. Lima

Department of
Electromechanical Engineering,
Universidade da Beira Interior,
6200-001 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)

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.

