

## Special Issue

# The New Digital Era in Industrial Robotics, Mechatronics and Factory Automation

### Message from the Guest Editors

Robotics, automation, and mechatronic technologies have been widely leveraged in diverse industrial domains, bringing significant societal impacts and benefits. As these technologies play a central role in leading the fourth industrial revolution, it is crucial to thoroughly investigate new trends to enable their sustained development. The rapid advancements in digital technologies such as simulations, digital twins, IoT systems, and cybersecurity offer vast potential for further innovation. This Special Issue provides a forum for researchers and practitioners to exchange their latest theoretical and engineering achievements. We aim to compile cutting-edge research and development advances in these areas.

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### Guest Editors

Dr. Roman Ružarovský

Dr. Tibor Horak

Dr. Ivan Virgala

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### Deadline for manuscript submissions

28 February 2025



## Machines

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## About the Journal

### Message from the Editor-in-Chief

*Machines* is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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### Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso  
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