



Advanced Robotics and Autonomous Systems Technologies for Industry 5.0: Sustainable and Human-Centric Automation

Guest Editors:

Prof. Dr. Raivo Sell

Robotics and Autonomous
Vehicles Research Group, Tallinn
University of Technology, 19086
Tallinn, Estonia

Prof. Dr. Tauno Otto

Smart Industry Research Group,
Tallinn University of Technology
(TalTech), 19086 Tallinn, Estonia

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Message from the Guest Editors

Digitalization is currently a heavily ongoing process in the industry, which entails leading production and industrial automation to a more effective and flexible process. Additionally, known in Europe as Industry 4.0 robotics, AI and connectivity are the focus. However, applying digital solutions to manufacturing processes raises new risks and issues which require solving. The Industry 5.0 paradigm does not replace or continue Industry 4.0—it comprises it.

The aim of this **Special Issue** is to cover new approaches, methodologies, solutions and experiments on how to bring sustainability and a human-centric approach to an industrial process where digitalization and robotics are already applied. The topics of interest include, but are not limited to, the following:

- Advanced robotics;
- Autonomous systems in the industry;
- Autonomous vehicles in the industrial mobility;
- Machine learning for mobile robotics;
- Social robotics;
- Human-centric robotics;
- AI in robotics;
- Industry 5.0.

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Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

Message from the Editor-in-Chief

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Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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