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Design and Control of Connected and Autonomous Machines

Guest Editor:

Dr. Domenico Bianchi

Department of Information
Engineering, Computer Science
and Mathematics (DISIM),
University of L'Aquila, Via Vetoio,
67100 L'Aquila, Italy

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Message from the Guest Editor

This Special Issue includes the following topics:

- System architecture, simulation, and test beds for control systems of connected and autonomous systems.
- Communication mechanisms in control systems for connected and autonomous systems.
- Edge computing and edge-cloud collaboration schemes in control systems for connected and autonomous systems.
- Workspace environment monitoring and real-time risk detection algorithms in control systems for connected and autonomous systems.
- Multi-agent reinforcement learning and distributed machine learning schemes in control systems for connected and autonomous systems.
- Integrated sensing, communications, and computing schemes in control systems for connected and autonomous systems.
- Privacy and security protection for connected and autonomous systems.
- Digital twin-empowered intelligent connected and autonomous systems.
- Machine learning approaches to the identification and/or control of autonomous machines.



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Special Issue



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**Prof. Dr. Antonio J. Marques
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CISE—Electromechatronic
Systems Research Centre,
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Calçada Fonte do Lameiro, P -
6201-001 Covilhã, Portugal

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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Machines Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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