

Special Issue

Intelligent Control of Unmanned Vehicles

Message from the Guest Editors

Intelligent control of unmanned vehicles is a rapidly evolving field empowered by artificial intelligence (AI). AI plays a crucial role in enabling these vehicles to perceive their surroundings. However, the advancements in AI for unmanned vehicles bring about several considerations, including an increase in hardware requirements and power consumption, the need for cost-effective solutions, and safety concerns, to name a few. This Special Issue addresses the current state of the art, demonstrating the effectiveness of intelligent control algorithms, methods, and systems within the target applications above and providing cross-disciplinary ideas to address current and future challenges. Topics of interest include, but are not limited to:

- intelligent control architectures;
- perception, decision-making, and action execution of unmanned vehicles;
- hardware requirements and optimizations for efficient implementation;
- cost-effective strategies for integrating AI in unmanned vehicles;
- safety considerations and risk mitigation techniques;
- verification and validation for ensuring reliable operations.

Guest Editors

Prof. Dr. Sergio Montenegro

Informatik für Luft- und Raumfahrt, Universität Würzburg, 97074 Würzburg, Germany

Dr. Michael Strohmeier

Informatik für Luft- und Raumfahrt, Universität Würzburg, 97074 Würzburg, Germany

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Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

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

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