

Special Issue

Applications of AI in Intelligent System Development

Message from the Guest Editors

The success of the field intelligent system not only relies on the AI algorithm, but it is also highly dependent on the field data acquisition system/design and the control system implementation. To realize the intelligent system, the design of the IoT system should consider the balance of the measurement accuracy and the implementation cost. With this Special Issue, we invite authors to submit original research or review articles mainly focused on applying the AI model to describe the uncertainty and/or the multiphysics of the field application and contribute to the design/development/improvement of the intelligent system. Research and development topics for this Special Issue include, but are not limited to: (1) AI model techniques for multiple physics and multiple phenomena in field application; (2) AI embedded intelligence system and controller; (3) IoT system for AI modeling and decision making; (4) Edge and Fog computing for IoT sensors; (5) Multisource data sensing and decision making; (6) Digital twins for an intelligence system.

Guest Editors

Dr. Cadmus Yuan

Dr. Hsinshu Peng

Prof. Dr. Chih-Chang Wang

Deadline for manuscript submissions

closed (31 October 2022)



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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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