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Applications of AI in Intelligent System Development

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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.

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Message from the Editor-in-Chief

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