AI-Powered Data Management and Analysis for Cyber-Physical-Systems

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

In this Special Issue, we welcome submissions addressing the underlying challenges and opportunities, presenting novel techniques, experimental results, or theoretical approaches motivated by data management and analytic problems raised in AI-powered CPS applications.

Topics of interest for this Special Issue include but are not limited to the following:

- Intelligent query optimization for big CPS data management;
- Machine-learning-based CPS data analytics;
- Smart analysis, modeling, and visualization of big CPS data;
- Operational analytics and intelligence of big CPS data;
- Anomaly detection and exception handling in CPS;
- Predictive and real-time analytics in CPS;
- Security and privacy of big data in CPS;
- Trust management and threat detection in CPS;
- Other AI-based data management solutions.

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Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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