

Special Issue

AI for Sustainable and Resilient Cyber-Physical Systems

Message from the Guest Editor

This Special Issue, 'AI for Sustainable and Resilient Cyber-Physical Systems', will focus on advancing the integration of artificial intelligence (AI) into complex cyber-physical systems (CPSs), including, but not limited to, smart energy systems, intelligent transportation, manufacturing, healthcare, and the Internet of Things (IoT). The purpose of this Special Issue is to go beyond conventional AI applications to address pressing needs for sustainability, resilience, and trustworthiness in CPS design, operation, and governance. By integrating multidisciplinary perspectives from AI, systems engineering, sustainability science, cybersecurity, and other related fields, we aim to create a comprehensive body of knowledge that will inform future research directions, guide industry adoption, and shape policy frameworks for sustainable CPS designs and deployments. This Special Issue welcomes original research articles, survey papers, and case studies that explore technical, operational, and societal challenges in AI-driven CPSs.

Guest Editor

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Message from the Editor-in-Chief

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