Autonomous Systems in Cyber-Physical Systems and Smart Industry: Innovations and Challenges

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

Autonomous systems are emerging as game-changers in the realm of Cyber–Physical Systems (CPS) and Smart Industry, revolutionizing how industries operate and interact with the physical world. This Special Issue is dedicated to exploring the integration and impact of autonomous systems within the CPS framework. We invite contributions that delve into the design, development, and deployment of Self-* capabilities in CPS and industrial applications. Topics of interest include autonomous manufacturing, logistics, predictive maintenance, AI (artificial intelligence) and machine learning in industrial processes, and autonomous decision-making processes. We also welcome research on the challenges and opportunities presented by autonomous systems, such as safety, reliability, security, privacy, and ethical considerations. Join us in uncovering the transformative potential of autonomous systems in shaping the future of Smart Industry.

Special Issue

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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