Special Issue

Industrial IoT as IT and OT Convergence: Challenges and Opportunities

Message from the Guest Editors

This Special Issue focuses on the innovative developments, technologies, and challenges related to the convergence of IT and OT in IoT application scenarios. This Special Issue seeks the latest findings from research and ongoing projects, also including practical use cases and detailed real-world deployment toward gaining new insights. Additionally, review articles that provide readers with current research trends and solutions are also welcome. The potential topics include, but are not limited to:

- Industrial Internet of Things use cases
- Architectural and networking innovation for OT/IT interoperability
- Cybersecurity for OT/IT convergence
- IoT security protocols and IoT networking and communication security
- Adoption of edge and fog computing for the shop floor
- Cloud and edge/fog synchronization, interoperability, and hybrid architectures
- Multiple access network technologies management, e.g., 5G/fiber/ethernet
- Management of protocol heterogeneity and translation
- Digital twin as a technological enabler for new IIoT architectures and deployments

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About the Journal

Message from the Editor-in-Chief

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