Special Issue

Sustainable and Trustworthy Operation and Maintenance of Railway Systems

Message from the Guest Editors

With the advent of the 4th Industrial revolution and boarding of the digital train by the railway sector, the implementation of artificial intelligence (AI)-based solutions in railway business has become an important part of strategic thinking of senior railway managers. However, developing and implementing AI-based solutions for enhanced analytics in railway contexts is challenging and requires a good domain understanding and insight in a range of disciplines, such as computer science, system engineering, software engineering, control engineering…

To strengthen the railway industry's capability to develop AI-based solutions and boost the implementation of AI tools, we believe that there is a need for fundamental and applied research to study, explore, investigate, and develop frameworks, approaches, technologies, and methodologies that enable operational excellence in the railway though improved fact-based decision making using enhanced analytics empowered by digitalization and AI technologies.

This Special Issue of Sustainability is seeking research findings that focus on the utilization of digitalization and AI technologies that enable sustainable railway development.

Guest Editors

Prof. Dr. Ramin Karim

Prof. Dr. Uday Kumar

Prof. Dr. Diego Galar

Deadline for manuscript submissions

closed (31 December 2021)

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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