Advanced Railway Infrastructures Engineering

Guest Editors:

Dr. Araliya Mosleh

Prof. Dr. José António Correia

Prof. Dr. Diogo Ribeiro

Dr. Anna M. Rakoczy

Deadline for manuscript submissions:
closed (20 December 2021)

Message from the Guest Editors

Dear Colleagues,

This Special Issue will bring together the latest research studies, findings, and achievements regarding advanced planning, design, construction, monitoring, maintenance, and management of railway infrastructures, including, but not limited to the following:

- Transportation geotechnics and train-induced ground vibrations
- Health monitoring, inspection, NDT&E (non-destructive testing and evaluation), and signal processing
- Big data analytics and railway operations
- Multi hazards and climate change adaptation
- Train–track interaction, vehicle–infrastructure interaction, and wheel–rail interface
- Safety, reliability, and runnability of railway infrastructure in strong winds and/or earthquake-prone areas
- Drainage, surveying, photogrammetry, remote sensing, and drone technology
- Intelligent railway and transportation technologies
- Structural integrity, fatigue, and residual lifetime
- Weigh-in-motion and wheel defect detection of the railway, damage detection of rolling stocks

We are looking forward to receiving your contribution.

Dr. Araliya Mosleh
Dr. José A.F.O. Correia
Dr. Diogo Ribeiro
Dr. Anna M. Rakoczy

Guest Editors

Special Issue

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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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