

Special Issue

Models and Algorithms for Railway Line Planning Problems

Message from the Guest Editors

This Special Issue aims to bring together cutting-edge research and innovative solutions addressing the challenges associated with railway line planning problems. We invite submissions that delve into various aspects of this domain, including but not limited to optimization models, exact algorithms, heuristic and meta-heuristic approaches, machine learning and reinforcement learning, and case studies demonstrating practical applications. Contributions should explore how these models and algorithms can be tailored to specific railway systems, taking into account factors such as track capacity, train scheduling, passenger demand, and operational constraints.

The Special Issue seeks to foster a comprehensive understanding of the latest advancements in railway line planning, promoting interdisciplinary collaboration and knowledge sharing. We encourage researchers, practitioners, and policymakers to contribute their insights, sharing experiences and best practices that can inspire further innovation and improvement in this vital area of transportation planning.

Guest Editors

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