

Special Issue

Smart Transportation Infrastructure: Optimization and Development

Message from the Guest Editors

Smart transportation infrastructure integrates sensing technologies, digital platforms, and adaptive management into the design, construction, and operation of roads, railways, tunnels, and other critical facilities. By emphasizing optimization and development, it aims to improve their performance, durability, operational efficiency, and long-term value. Research in this area explores methods to enhance monitoring, planning, maintenance, and asset management, addressing increasing mobility demands and infrastructure aging. This Special Issue, “Smart Transportation Infrastructure: Optimization and Development”, invites submissions on smart sensing and monitoring, digital modeling and simulation, sustainable design, and innovative strategies for construction, operation, and maintenance.

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