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Research on the Construction Mechanical Behavior and Deformation Characteristics of Lining Structure—2nd Edition

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Message from the Guest Editors

Dear colleagues,

Lining is a permanent support structure constructed with reinforced concrete and other materials around the tunnel body to prevent the deformation or collapse of surrounding rock.

With the huge demand for transportation and thus the rapid development of tunnels and other underground engineering construction technologies, some tunnels that are operating have entered the life cycle of closure and repair. As a support structure, lining has been confirmed to play an important role in engineering construction, operation, and maintenance.

This Special Issue encourages all professionals, researchers, managers, and planners engaged in the construction, operation, and maintenance of civil engineering, tunnels, and corresponding underground engineering, to share their projects.

Guest Editors

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Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

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