Special Issue

Geomechanics and Geotechnical Engineering Problems in the Design and Construction of Underground Buildings—2nd Edition

Message from the Guest Editors

The second edition of this Special Issue, titled "Geomechanics and Geotechnical Engineering Problems in the Design and Construction of Underground Buildings—2nd Edition", will accept manuscripts covering a wide range of topics, from basic research to more applied exploration and comprehensive case studies. Topics include, but are not limited to, the following:

- Interaction between soil and structures;
- Safety and stability of underground structures;
- Earthquake resistance of underground structures;
- Mechanical properties and constitutive models of engineering rock, soil, or concrete materials;
- Geotechnical engineering problems in underground engineering construction;
- Geotechnical properties and engineering applications under regional or special environment;
- Stress wave propagation and attenuation law in rock and soil mass;
- Theory and technology of rock breaking by explosion and dynamic load;
- Response and disaster mechanisms of underground engineering under engineering disturbance;
- Engineering geological problems in complex environments;
- Treatment and reinforcement of special soil;
- Digital twin technology in underground engineering;
- Other topics.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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.

Editor-in-Chief

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