# Special Issue

# Urban Geotechnical Engineering

### Message from the Guest Editors

President Franklin D. Roosevelt stated that “a nation that destroys its soils destroys itself." Soils form over hundreds of years, and yet can be destroyed by a single event. Construction activities are an example of man-made hazards causing subsequent ground subsidence (i.e., underground cavity). However, man-made geotechnical hazards are an often-overlooked asset, despite being the foundation of urban geotechnical engineering. As such, the accurate acquisition of these assets is strategic for identifying and planning the most effective rehabilitation and maintenance works. This Special Issue focuses on the current practices related to the aforementioned issues, which consider a wide-ranged geotechnical issues covering the following:

- Case studies of advanced seismic wave-based geo-characterization
- Simulation of propagating fractures using any standard numerical methods, including the finite element method
- Multiphase fluid flow for soil improvement
- Dynamic tunnel modelling by reflecting the operating conditions and ground conditions in real time
- Application of non-destructive technology to investigate urban geotechnical engineering issues.

### Guest Editors

Prof. Dr. S. Sonny Kim
Dr. Jongwan Eun
Dr. Soonkie Nam

### Deadline for manuscript submissions

closed (30 April 2021)

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*Infrastructures*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
infrastructures@mdpi.com

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## Editor-in-Chief

Dr. Pedro Arias-Sánchez
Applied Geotechnologies Group, Department of Natural Resources and Environmental Engineering, School of Mining Engineering, University of Vigo, 36310 Vigo, Spain

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