

Call for Papers

Forensic investigation on underground and foundation engineering



Publishing

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Forensic Engineering

THEMED ISSUE

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Forensic Engineering is planning a themed issue on underground and foundation engineering.

Large-scale urban development results in increasingly complex buildings, transportation systems and interfaces between new and existing structures. Civil engineers are continuously challenged by the height of the buildings and the depth of foundations, as well as the geometry and scale of underground constructions. Lessons learned from failures are beneficial for engineers to prevent design and construction flaws, and to improve the risk management of future underground and foundation engineering. The champions of this themed issue invite engineers and researchers to present their investigations or research progress on deep excavation, deep foundation and tunnelling. This themed issue will focus on investigation of failures and performance analysis on underground construction and foundation engineering. In addition, applications or the development of investigation technologies, simulation, laboratory testing or in-situ testing are welcomed. We also invite valuable experiences of successful risk management.

Examples of relevant subjects include, but not limited to:

- Underground construction failures
- Building foundation damages
- Bridge foundation damages
- Deep excavation
- Tunnel failures
- Performance or failure analysis of underground structures
- Case studies of forensic investigation on underground constructions using advanced geotechnical technologies
- Applications of geotechnical testing on forensic investigations on underground construction failures
- Risk management on underground and foundation engineering

Engineering practitioners and researchers engaged in any of these general topics are invited to **submit abstracts by 1 April 2019**. Relevant papers outside the main themes outlined above will also be considered. The deadline for submission of full manuscripts is **1 September 2019**.

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