Detection Methods and Numerical Analysis of Faults in Structural and Geotechnical Engineering

Guest Editors:

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Prof. Dr. Yiming Zhang

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Deadline for manuscript submissions:
closed (31 July 2024)

Message from the Guest Editors

Dear Colleagues,

From crystal dislocation to rock joints, faults can be found on different scales in different structures. From an engineering point of view, faults grow and evolve, exerting great influences on the stability and durability of structures. From the mathematical point of view, faults commonly refer to discontinuities, bringing great deviations from analytical solutions based on partial differential equations. With the development of smart sensors, non-destructive testing, machine learning algorithms, high-performance computation technology and powerful computing methods, novel detection methods have emerged that can find and trace the geometric and historic information of faults to evaluate their influence on structures and predict their evolution.

We are particularly eager to publish manuscripts with validations of results via indoor experiments or onsite testing/monitoring.

For detailed information, please visit here.

Prof. Dr. Timon Rabczuk
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Guest Editors

Special Issue

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Message from the Editor-in-Chief

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