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Fiber Optic Sensors for Structural and Geotechnical Monitoring

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Message from the Guest Editor

Dear Colleagues,

Use of sensors based on fiber-optic technology allows a broad range of applications in the fields of structural and geotechnical monitoring, which can effectively improve the maintenance of infrastructure and the safety of communities. Thanks to its valuable features, such as distributed monitoring, ease and endurance of cabling, long-term stability, reliable response in both static and dynamic regime, fiber-optic technology has already provided innovative and efficient solutions to quite difficult monitoring problems. The worldwide increasing attention on infrastructure and communities with resilience capabilities against natural disasters, has open new and challenging prospective of applications to the use of fiber-optic technology for structural and geotechnical monitoring. This Special Issue aims to collect advances in the development and application of monitoring solutions based on fiber-optic technology for civil and geotechnical engineering works and issues.

Website: http://www.mdpi.com/journal/sensors/special_issues/FOS_Structural_Geotechnical_Monitoring

Dr. Michele Arturo Caponero

Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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