

Special Issue

Sensors and Measurements in Geotechnical Engineering II

Message from the Guest Editors

Every civil engineering structure must have an individually designed foundation. The role of the geological and geotechnical survey is crucial in proper geotechnical design. The latest trends in geotechnical design methods emphasize the role of testing. Measurements of foundation capacity, settlement and displacements, and their quality control are vital aspects in the course of construction. When it comes to ground and rock parameters, their values are incredibly variable and may change in time due to construction stages. Many civil engineering structures must be monitored throughout their lifetime. Structural health monitoring systems are based on sensors and instrumentation for the postprocessing of gathered results. The development of large infrastructural projects brings the need for fast and reliable testing methods and cost-effective devices for their control. This Special Issue is addressed to recent developments in all types of sensors, instruments, and measurement methods designed and developed for geotechnical testing and monitoring in the civil engineering, environmental, and mining industry.

Guest Editors

Dr. Jaroslaw Rybak

Prof. Dr. Andrea Segalini

Prof. Dr. Marian Drusa

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

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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