sensors

an Open Access Journal by MDPI

IMPACT FACTOR 3.4

Indexed in: PubMed

CITESCORE 7.3

Smart TDR Sensors for Moisture Measurement

Guest Editors:

Dr. Zbigniew Suchorab
Faculty of Environmental Engineering, Lublin University of Technology, 40B Nadbystrzycka Str., 20-618 Lublin, Poland

Dr. Grzegorz Łagód
Faculty of Environmental Engineering, Lublin University of Technology, Nadbystrzycka 40B, 20-618 Lublin, Poland

Deadline for manuscript submissions:
closed (20 October 2022)

Message from the Guest Editors

Time Domain Reflectometry (TDR) plays a significant role among the techniques of moisture detection in porous media. It is an electric technique applied for determining the apparent permittivity of porous materials by the measurement of electromagnetic pulse propagation time along the metal rods of measuring probes. For many years, it has been widely applied by scientists and engineers to measure moisture of soil but also to evaluate parameters of other porous media such as rocks or building materials.

The TDR method is continuously developing. New devices are being designed, techniques of signal processing are improved, probes constructions are modified and new formulas of calibration are estimated.

This Special Issue is addressed to all researchers that develop the TDR sensing technique of moisture detection.

sensors

IMPACT FACTOR 3.4 | Indexed in: PubMed | CITESCORE 7.3

an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access : free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.
Journal Rank: JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
𝕏@Sensors_MDPI