

International Workshop on Dielectric Measurements and Moisture Sensing

30th September, 2021

Organized by: Institute of Agrophysics, Polish Academy of Sciences, Lublin, Poland

Co-organizers: URSI Commission A: Electromagnetic Metrology, Poland, E-Test Sp. z o.o.

Programme

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|-------|---|--|
| 09:15 | Welcome | |
| 09:20 | Luisa Neves <i>Multiwave Technologies</i> | Towards high and ultra-high temperature electromagnetic characterization |
| 09:50 | Floriane Sparma <i>Institut Fresnel</i> | Application of a new kind of multiple probe sensor for determination of water content in sand |
| 10:20 | Kamil Staszek <i>AGH University of Science and Technology</i> | Calibration of six-port interferometers with unknown calibration standards |
| 10:50 | Arkadiusz Lewandowski <i>Warsaw University of Technology</i> | A multi-rod probe for soil dielectric spectrum measurements |
| 11:20 | Adrian Drzazga <i>Tespol Engineering</i> | Advancing In Situ Soil Nitrate Detection using a Sophisticated lock-in Amplifier / Impedance Analyzer and Infrared Sensors |
| 11:50 | Coffee break | |
| 12:20 | Lech Gałęzewski <i>Bydgoszcz University of Science and Technology</i> | Soil moisture - what we measure |
| 12:50 | Amadeusz Walczak <i>Wrocław University of Environmental and Life Sciences</i> | Application of the TDR sensors for determination of soil moisture dynamics caused by injection irrigation |
| 13:20 | Agnieszka Szyplowska <i>Institute of Agrophysics, PAS</i> | New dielectric models for soil moisture determination |
| 13:50 | Jacek Majcher <i>Lublin University of Technology</i> | Comparison of antenna and dagger probe for soil moisture measurement |
| 14:20 | Industrial presentations and open discussion | |
| 15:00 | Closing | |