Session Program

Jun 25 – 26, 2025

International Conference on Opportunistic Sensing of Precipitation - OpenSense

Coffee Poster Session Tuesday

German Weather Service, Offenbach, Germany
Frankfurter Straße 135 63067 Offenbach

Wed, June 25

3:15 PM

Coffee Poster Session Tuesday

Poster Session |
Location: German Weather Service, Offenbach, Germany, Frankfurter Straße 135 63067 Offenbach

OpenMesh: Wireless Signal Dataset for Opportunistic Urban Weather Sensing in New York City

Speaker

Mr Dror Jacoby

Publicly available four-year CML dataset for the Netherlands

Speaker

Dr Aart Overeem

Sensing from the Grassroots: How Environmental Measurement Software is Being Developed by Citizen Scientists

Speaker

Prof. Antti Knutas

Rainfield Monitoring and Extracting Natural Phenomena Combining CML with Graph Signal Processing

Speaker

yaara peled

Optimizing Wet Antenna Attenuation Models for Improved Rainfall Estimation Using Commercial Microwave Links

Speakers

Mr Smit Doshi, Carlo De Michele, Roberto Nebuloni

The OPENSENSE software ecosystem

Speaker

Christian Chwala

Refining baseline and wet antenna models for improved rainfall estimation from CML data

Speaker

Erlend Øydvin

Beyond Cellular Networks: Rainfall Estimation Using Low-Frequency and Short-Distance Commercial Microwave Links

Speaker

Petr Musil

Unsupervised Fault Detection and Classification in Microwave Links for Opportunistic Weather Detection: Differentiating Weather-Induced and Non-Weather Faults

Speaker

Adi Green

GNN-Based Data Fusion for Precipitation Estimation Using Opportunistic Sensors

Speaker

ALI DAHER

pypwsqc: A new tool for quality control of personal weather station data rainfall data

Speakers

Jochen Seidel, Louise Louise Petersson Wårdh

ISRaCML

Speaker

Matan Antebi

Citizen observations via the RMI smartphone app in Belgium: data collection and applications

Speaker

Maarten Reyniers

Improving Precipitation Estimates from Commercial Microwave Links Using Deep Learning: A Comparative Study on OpenMRG Data

Speaker

Nadia Ahmed Sharna

Satellite microwave link open data for rainfall estimation

Speakers

Dr Roberto Nebuloni, Dr Maxime Turko, Dr François Mercier-Tigrine, Dr Maximilian Graf

A toolbox for real time data acquisition and quality control of personal weather station rainfall data

Speakers

Nathalie Rombeek, Jochen Seidel, Georges Schutz

Hydro-Climatological Thresholds to Enhance Early Warning Systems for Landslides in Rwanda

Speaker

Mr Jean D'Amour DUSABIMANA

4:30 PM