

Session Program

Jun 23 - 24, 2026

Second International Conference on Opportunistic Sensing of Precipitation - OpenSense 2026

Oral session #4

Royal Netherlands Meteorological Institute, Building A
Utrechtseweg 297, De Bilt, the Netherlands

Wed, June 24

10:45 AM

Oral session #4: Processing methods

Session

10:45 - 11:00 AM

Opportunistic rainrate estimation via 4G cellphone signals using a random forest framework

Speaker

Prof. Xichuan Liu

11:00 - 11:15 AM

Opportunistic rainfall estimation from satellite microwave link attenuation using a hybrid CNN-LSTM network

Speaker

Gil Rafalovich

11:15 - 11:30 AM

Adaptive K-R relationships based on cloud phase classification using SEVIRI observation

Speaker

Taoufiq Shit

11:30 - 11:45 AM

Rainfall estimation via weighted integration of instantaneous and min-max CML protocols from two different providers

Speaker

Matan Antebi

11:45 AM - 12:00 PM

Restoring missing commercial microwave link measurements using graph signal processing

Speaker

Yaara Peled

12:00 - 12:15 PM

Opportunistic uplink rain sensing with FGM transponders using a dry-weather baseline

Speaker

Emanuele Maria Sciortino

12:15 - 12:30 PM

AI-based wet/dry classification of commercial microwave links using XGBoost and a Tiny Transformer

Speaker

Mr Ali Daher

12:30 PM