
LAND (Soil & Vegetation)

Session Chair: Emanuele Santi

- 17:15** Time-dynamic vegetation absorption and scattering at L-band
Martin J Baur, Thomas Jagdhuber, Andrew F. Feldman, Dara Entekhabi
- 17:30** The effect of dew on L-Band emissions from a corn canopy
Avinash Sharma
- 17:45** Increasing the SMAP soil moisture spatial resolution by using SAR and machine learning
E. Santi, G. Fontanelli, S. Paloscia, P. Pampaloni, S. Pettinato, G. Ramat, L. Santurri, D. Tapete, F. Cigna
- 18:00** SMAP Measurements Show Water Movement in the Soil-Plant Continuum as Pulses
Andrew F. Feldman, Daniel J. Short Gianotti, Alexandra G. Konings, Pierre Gentine, Kaighin A. McColl, Ruzbeh Akbar, Guido D. Salvucci, Dara Entekhabi
- 18:15** NASA Soil Moisture Active Passive Mission Data Products Updates and Science and Applications Highlights
Dara Entekhabi
- 18:30** SMAP Validation Experiment 2019-2021 (SMAPVEX19-21): Detecting Soil Moisture under Temperate Forest Canopies
Andreas Colliander, Michael H. Cosh, Sidharth Misra, Laura Bourgeau-Chavez, Vicky Kelly, Simon Kraatz, Paul Siqueira, Alexandre Roy, Tarendra Lakhankar, Alexandra G. Konings, Natan Holtzman, Mehmet Kurum, Dara Entekhabi, Peggy O'Neill, Simon H. Yueh
- 18:45** High spatial resolution soil moisture mapping using L-band radiometry and small unmanned aerial systems
R. Carter, Eryan Dai, Albin J. Gasiewski, Aravind Venkitasubramony, Michael Hurowitz, Maciej Stachura, Jack Elston