

ATHMOSPHERE - E.M. MODELS

Session Chairs: Vinia Mattioli, Domenico Cimini, Paolo Pampaloni

- 7:15** Sudden Stratospheric Warming over Antarctica: Detection and Study using the MTVZA-GY Microwave Radiometer onboard the new Russian Meteorological satellite Meteor-M No. 2-2
Mitnik L.M., Kuleshov V.P., Mitnik M.L., Cherniavsky G.M., Cherny I.V., Streltsov A.M.
- 17:30** Uncertainty of the water vapour ground observations by GPS, ground-based microwave radiometers, and RAOB collected in Alaska and Finland sites
Ermanno Fionda, Maria Cadeddu, Rosa Pacione, Vinia Mattioli
- 17:45** Comparing airborne sub-millimetre observations of ice clouds with model simulations
Stuart Fox
- 18:00** Estimating tropospheric extinction due to clouds and precipitation using sun-tracking microwave and millimeter-wave radiometers
Luca Milani, M. Biscarini, K. M. Magde, G.A. Brost, F.S. Marzano
- 18:15** GEMS-1 IOD on-orbit performance and prospects for constellation microwave radiometry
Albin J. Gasiewski, Michael A. Hurowitz, Brian T. Sanders, David W. Gallaher, Robert Belter, David Kraft, Roger Carter, Geoffrey Sasaki, Lavanya Periasamy, Richard McAllister, Frank McAllister, William L. Hosack
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- 18:30** Retrieving the vertical total electron content to correct the faraday rotation angle in SMOS
Roselena Rubino, Nuria Duffo, Verónica González-Gambau, Ignasi Corbella, Francesc Torres, Manuel Martín-Neira
- 18:45** Multiple Frequencies in Microwave Remote Sensing of Soil Moisture Based on NMM3D Simulations of Vegetation
Weihui Gu, Huanting Huang, Leung Tsang, Andreas Colliander, Sinom Yueh