

CRYOSPHERE

Session Chair: Francesco Montomoli

14:30 SMOS level 3 soil freeze and thaw processing and dissemination service

Kimmo Rautiainen, Juha Lemmetyinen, Juval Cohen, Jaakko Ikonen, Mwaba Hiltunen, Tuomo Smolander, Daria Stepanova, Timo Ryyppö, Mikko Moisander, Mike Schwank, Jouni Pulliainen, Antonio de la Fuente

14:45 Multi-year close-range microwave observations of a Winter-Landscape in the Swiss Alps

Reza Naderpour, Derek Houtz, Mike Schwank, Christian Mätzler, Andreas Wiesmann, Urs Wegmüller, Charles Werner

15:00 Boreal forest L-band observations

Anna Kontu, Juha Lemmetyinen, Kimmo Rautiainen, Jouni Pulliainen, Mike Schwank, Richard Kelly, Qinghuan Li

15:15 Validating a snow surface radiative transfer model between 89 and 243GHz using airborne observations over Arctic tundra

Kirsty Wivell, Melody Sandells, Nick Rutter, Stuart Fox, Chawn Harlow, Richard Essery, Jennifer Brooke, James Hocking

15:30 Estimating Arctic sea ice distribution from SMOS multi-incident angle brightness temperatures using unsupervised learning algorithms

Christoph Herbert, Adriano Camps, Mercedes Vall-Llossera

15:45 Passive Microwave Response of the Antarctic and Greenland Ice Sheets

Mustafa Aksoy, Pranjal Atrey, Prethiga Sugumar, John Bradburn

16:00 Results From The First Ultra-WideBand Microwave Radiometry Campaign in Antarctica

Marco Brogioni, Mark J. Andrews, Marion Leduc-Leballeur, Giovanni Macelloni, Francesco Montomoli, Joel T. Johnson, Kenneth C. Jezek, Alexandra Bringer, Leung Tsang, Lars Kaleschke, Stefano Urbini, Massimo Frezzotti, Caglar Yardim

16:15 Snowpack Remote Sensing using Wideband Long-Wavelength Microwave Radiometry

Maryam Salim, Mark J. Andrews, Roger De Roo, Joel T. Johnson, Alexandra Bringer, Kamal Sarabandi