

Finnish Remote Sensing Days

29-30 October 2014, Helsinki

Venue:

Dynamicum
Erik Palménin aukio 1 (Kumpula)
00560 Helsinki
Brainstorm auditorium

Hosted by:

FINNISH METEOROLOGICAL
INSTITUTE

Program Wednesday 29.10.2014 (15 min presentation + 5 min questions):

- 08:30 Registration and setting up posters
- 09:00 **Welcoming Copernicus session, chair:** Mikko Strahlendorff
Copernicus goes operational 2015 – finnish perspective, Mikko Strahlendorff
Finnish Corine Landcover 2012 in Copernicus Land monitoring, Pekka Härmä
Hi-res Copernicus Land Services layers over Finland, Markus Törmä
Sodankylä national satellite data center, Jyri Heilimo
ESA EO strategy 2014-2020 - finnish perspective, Jouni Pulliainen
- 10:40 Coffee Break
- 11:00 **Session 1, Microwave remote sensing, chair:** Jaan Praks
40+ years of Remote Sensing and Space Technology research, Martti Hallikainen
Aalto university plans for microwave remote sensing, Jaan Praks
Soil frost from microwave data, Kimmo Rautiainen
- 12:00 Lunch break
- 13:00 **Session 2, Remote sensing the Atmosphere, chair:** Johanna Tamminen
Serving OMI community within minutes for a decade, Timo Ryyppö
OMI tropospheric NO₂ for air quality monitoring in Northern Europe, Iolanda Ialongo
ESA Ozone CCI: towards combined use of satellite ozone profiles, Viktoria Sofieva
Ash and SO₂ from recent volcanic eruptions in Iceland, Janne Hakkarainen
Solar proton events and sudden stratospheric warmings on NO_x and O₃, S-M Päivärinta
Effects of precipitating radiation belt electrons on *HO and O₃, Monika Andersson
- 15:00 Presentations from sponsors & introduction to posters
15:20 Poster Bazar
- 16:20 **Session 3, The cryosphere in change, chair:** Kari Luojus
Sea Ice SAR Segmentation and Ice Drift Estimation Using Edge Information, Juha Karvonen
BAECC SNEX: Extensive snowfall campaign in Finland during 2014, Annakaisa von Lerber
SnowPEX for EO-based snow product intercomparison/validation, Sari Metsämäki
GlobSnow 2008-2014: new benchmark for Hemispheric snow cover info, Kari Luojus
- 18:00 **Sauna, 5th floor**

Thursday 30.10.2014

- 09:20 **Session 4, Forestry all around the earth, chair:** Tuomas Häme
Comparison of current fPAR products in boreal forests, Titta Majasalmi
Seasonal physiology using Hyperion images in central Finland, Rocio Hernandez-Clemente
Retrieval of leaf chlorophyll content using narrow-band indices for field crops, Xiaochen Zou
Forest understory reflectance from multi-angle data, Jan Pisek
SAOCOM-CS: A passive companion for single-pass L-band SAR interferometry, Tuomas Häme
- 11:00 Coffee break
- 11:30 **Session 5, Water environment and other topics, chair:** Yrjö Sucksdorff
What can fine resolution satellites provide for small coloured lakes?, Elar Asuküll
Assessment of Radiometer Concepts for Advanced SST/OVW Mission, Juha Kainulainen
Modelling trends in satellite observation time series using dynamic regression, Marko Laine
EducEO - Education for EO capitalizing on a Citizen Science approach, Timo Toivanen
- 12:50 **Closing remarks, chair:** Mikko Strahlendorff and session chairs
- 13:00 **End of RSD2014**

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