


Thursday 4 November 2010

8:30	Registration
General session, chairman <i>T. Häme</i> VTT	
09:00	Opening, Chairman of Finnish Remote Sensing Club, <i>E. Parmes</i> VTT
09:10	ESA's VAE, STSE and DUE programmes and possibilities of Finnish private and public sector to participate in these, <i>S. Coulson</i> ESA
Refreshments	
10:00	
General session, chairman <i>T. Häme</i> VTT	
10:20	Laser scanning, <i>J. Hyyppä</i> , FGI
11:00	15 Years of Hyperspectral Imaging in Finland, <i>T. Hyvärinen</i> , SPECIM
11:40	Science Based Remote Sensing Services to Support REDD and Sustainable Forest Management in the Tropical Region - ReCover, <i>T. Häme</i> , VTT
Lunch	
12:20	
Session on Hyperspectral remote sensing, chair <i>P. Pellikka</i> University of Helsinki	
13:20	Multiangular imaging spectroscopy for separating the structural and biochemical reflectance signals, <i>M. Mõttus</i> , University of Helsinki
13:40	Aalto-1 -- Finnish nanosatellite for hyperspectral remote sensing, <i>A. Hakkarainen</i> , Aalto
14:00	University Some projection pursue techniques for unsupervised target detection in hyperspectral imageries, <i>J. Malpica</i> , Alcalá University
14:20	Handheld spectral imager for remote sensing, food quality and medical applications, <i>H. Saari</i> , VTT
14:40	Hyperspectral remote sensing flight campaigns using AISA systems in 2010, <i>P. Pellikka</i> , University of Helsinki
Refreshments and poster session, chair <i>I. Korpela</i> , University of Helsinki	
	Refreshments
15:00	Sponsored by 
15:15	Determination of spring events of boreal coniferous forest from MODIS time-series, <i>K. Böttcher</i> , Finnish Environment Institute SYKE
	Mapping leaf area index in Finnish boreal forests <i>J. Heiskanen</i> , University of Helsinki
	Use of social media for validation of remote sensing products?, <i>O. Hyvärinen</i> , FMI

	Using Stationary and Mobile Laser Scanner to detect Forest Defoliation, <i>S. Kaasalainen</i> , FGI
	New Instrument for Snow Profile Associated Measurements (SPAM), <i>P. Lahtinen</i> , FMI
	Boreal forest leaf area index (LAI) estimation using wide optics airborne winter photos, <i>T. Manninen</i> , FMI
	Comparison of IASI Level 2 Temperature Profile Retrievals and In-situ Soundings, <i>T. Perttula</i> , FMI
	Seasonality of leaf area index in a boreal forest, <i>M. Rautiainen</i> , University of Helsinki
	Validation of the Climate-SAF Arctic surface albedo product against in situ observations, <i>A. Riihelä</i> , FMI
	Snow Cover Mapping Using MetOP/AVHRR Data, <i>N. Siljamo</i> , FMI
	Mapping edaphic characteristics in tropical rainforests based on floristic inventory and remote sensing, <i>A. Sirén</i> , University of Turku
Session on New Instrumentation, chair <i>J. Heilimo</i> FMI	
16:00	New 7.3 meter satellite antenna to FMI Arctic Research Centre at Sodankylä, <i>J. Heilimo</i> , FMI
16:20	3D Terrain data pipeline to create content for virtual reality environments (VREs), and some sample, <i>K. Rainio</i> , VTT
16:40	Aalto University's Remote Sensing Aircraft, <i>E. Rouhe</i> , Aalto University
17:00	A Microwave Transmitter for Examining the Effects of Interfering Signal Sources on Interferometric Radiometer Measurements, <i>J. Seppänen</i> , Aalto University
Social event and Sauna	
18:00	<p>Sponsored by</p> 
Friday 5 November 2010	
Session on Forest applications, chair <i>M. Holopainen</i> University of Helsinki	
9:00	Forest/Non-forest Delineation with Space Borne L-Band PolSAR: A Model Based Scattering Mechanism Decomposition Approach, <i>O. Antropov</i> , VTT

9:20	Operative UAV rapid mapping applications, M. Sippo, PIEnearing
9:40	Variation and directional anisotropy of reflectance at the crown scale – implications for tree species classification in digital aerial images, <i>I. Korpela</i> , University of Helsinki
10:00	Impacts of agricultural expansion and climate change on soil erosion in the Taita Hills, Kenya, <i>E. Maeda</i> , University of Helsinki
10:20	Social Forest Planning, <i>M. Molinier</i> , VTT
10:40	Determining the spatial pattern of tree stock and the need for the first thinning with area based approach of airborne laser scanning, <i>I. Pippuri</i> , University of Eastern Finland
Refreshments	
11:00	
Session on Ice, Water and Snow, chair <i>M. Mäkynen</i> FMI	
11:20	Supporting ESA SMOS Cal/Val 2010 Activities With Airborne HUT-2D Interferometric Radiometer, <i>M. Hallikainen</i> , Aalto University
11:40	Study on Correlation Between Airborne L-band Radiometric Measurements and GNSS-R Observations at the Baltic Sea, <i>J. Kainulainen</i> , Aalto University
12:00	Ice Drift Estimation based on SAR and Radar Data, <i>J. Karvonen</i> , FMI
12:20	ESA GLOBSNOW – producing long term snow data for climate research purposes, <i>K. Luojus</i> , FMI
12:40	ESA STSE Northern Hydrology – Project for Building a Portfolio of Lake and River Ice Earth Observation Products for Numerical Weather Prediction and Climate Modeling, <i>O-P. Mattila</i> , Finnish Environment Institute SYKE
13:00	On level ice thickness retrieval in the Kara Sea using MODIS and ENVISAT ASAR data and thermodynamic modeling, <i>M. Mäkynen</i> , FMI
13:20	International co-operation for providing operational EO water quality services in Finland, <i>T. Pyhälä</i> , Finnish Environment Institute SYKE
Conclusions	
13:40	
End of Remote sensing days	
14:00	