2010 AGU Fall Meeting
Schedule of ESTO-Funded and ESTO-Affiliated Presentations

Monday, December 13

Poster A11B-0039 (8:00 am, Poster Hall)
NASA's integrated Instrument Simulator Suite for Atmospheric Remote Sensing from spaceborne platform (ISSARS) and its role for the GPM mission
- Simone Tanelli

Poster A11B-0040 (8:00 am, Poster Hall)
Retrievability of the Physical Parameters for Frozen Precipitation
- Noppasin Niamsuwan (Simone Tanelli)

Session A13K: ***Ice and Mixed-Phase Precipitation Characterization in Passive and Active Microwave Remote Sensing, in Situ Observations, and Modeling Perspectives II*** (1:40 pm, 3006 Moscone West)
- Session Co-Chair: Simone Tanelli

Presentation GC13E-05 (3:00 pm, 310 Moscone South)
International Pyroheliometer Comparison 2010 Results from SORCE/TIM.
- K. Heuerman (Gregg Kopp)

Tuesday, December 14

Session GC21B: ***Solar Irradiance Calibrations, Observations, and Implications I Posters*** (8:00 am, Poster Hall)
- Session Co-Chair: Greg Kopp

NASA Exhibit Presentation (11:30 am, NASA Exhibit)
Advances in Airborne Earth Science Data Collection Techniques
- Robert Smith

Wednesday, December 15

Poster IN31A-1279 (8:00 am, Poster Hall)
The Waypoint Planning Tool: Real Time Flight Planning for Airborne Science
- Michael Goodman

Session IN31B: ***Sensor Networks: From Sensors to the Web I Posters*** (8:00 am, Poster Hall)
- Session Co-Chair: Karen Moe

Session GC33C: ***Solar Irradiance Calibrations, Observations, and Implications I*** (1:40 pm, 3005 Moscone West)
- Session Co-Chair: Greg Kopp

Poster H33F-1231 (1:40 pm, Poster Hall)
Advanced Component Development to Enable Low-Mass, Low-Power High-Frequency Microwave Radiometers for Coastal Wet-Tropospheric Correction on SWOT
- Steven Reising

Poster B33H-0480 (1:40 pm, Poster Hall)
The Electronically Steerable Flash Lidar Adaptability for Characterizing Forest Structure
- Tanya Raymond (Carl Weimer)

NASA Exhibit Presentation: (2:30 pm, NASA Exhibit)
Chasing Hurricanes with the Global Hawk
- Bjorn Lambrigsten

Session IN34A: ***Sensor Networks: From Sensors to the Web II*** (4:00 pm, 301 Moscone South)
- Session Co-Chair: Karen Moe

Presentation IN34A-02 (4:15 pm, 302 Moscone South)
Soil Moisture Sensing Controller and Optimal Estimator (SoilSCaPE): An in-situ Wireless Sensor Network for Validation of Spaceborne Soil Moisture Estimates
- Mahta Moghaddam

Presentation IN34A-06 (5:15 pm, 302 Moscone South)
A Prototype Flood Early Warning SensorWeb System for Naimbia
- Dan Mandl

NASA Exhibit Presentation: (5:30 pm, NASA Exhibit)
Imaging Spectrometer Science Measurements for Terrestrial Ecology: AVIRIS, Next Generation Characteristics and Status
- Louise Hamlin

Thursday, December 16

Session IN41D: ***Information Systems Advances for Earth Science Decadal Survey Era Missions I*** (8:00 am, 302 Moscone South)
- Session Co-Chairs: Charles Norton, Karen Moe, and Mahta Moghaddam

Presentation IN41D-01 (8:00 am, 302 Moscone South)
Multiangle Spectropolarimetric Imager (MSPI) On-Board Processing Technology Development and In-Flight Validation for the ACE Decadel Survey Mission
- Thomas Werne (Paula Pingree)

Presentation IN41D-02 (8:15 am, 302 Moscone South)
SpaceCube On-board Science Data Processing Technology
- Tom Flatley

Presentation IN41D-04 (8:45 am, 302 Moscone South)
Spatio-temporal Statistical Inference and Data Fusion and their Applications to Decadal Survey Missions
- A. J. Braverman

Presentation IN41D-05 (9:00 am, 302 Moscone South)
Uncertainty Analysis in the Decadal Survey Era: A Hydrologic Application using the Land Information System (LIS)
- K. Harrison (Christa Peters-Lidard)

Presentation IN41D-06 (9:15 am, 302 Moscone South)
QuakeSim Computational Infrastructure for Integrating DESDynI and UAVSAR Data into Earthquake Models
- J. W. Parker (Andrea Donnellan)

Presentation IN41D-07 (9:30 am, 302 Moscone South)
A Virtual Ocean Observatory for Climate and Ocean Science: Synergistic Applications for SWOT and XOVWM
- B. M. Howe (Payman Arabshahi)

Presentation IN41D-08 (9:45 am, 302 Moscone South)
Coupling NASA Advanced Multi-Scale Modeling and Concurrent Visualization Systems for Improving Predictions of High-Impact Tropical Weather (CAMVis)
- Bo-Wen Shen

Session IN43B: ***Information Systems Advances for Earth Science Decadal Survey Era Missions II Posters***
(1:40 pm, Poster Hall)
- Session Co-Chairs: Charles Norton, Karen Moe, and Mahta Moghaddam

Poster IN43B-1396 (1:40 pm, Poster Hall)
OSCAR: Online Service for Correcting Atmosphere in Radar
- Paul von Allmen

Poster IN43B-1397 (1:40 pm, Poster Hall)
InSAR Scientific Computing Environment
- E. Gurrola (Paul Rosen)

Poster IN43B-1400 (1:40 pm, Poster Hall)
Real-Time In-Situ Measurements for Earthquake Early Warning and Space-Borne Deformation Measurement Mission Support
- S. Kedar (Yehuda bock)

Poster IN43B-1403 (1:40 pm, Poster Hall)
Objectively Optimized Observation Direction System Providing Situational Awareness for a Sensor Web
- O. Aulov (David Lary)

Friday, December 17

Poster IN51B-1146 (8:00 am, Poster Hall)
A Toolbox for Organization-wide Infusion of Data Systems Technologies
- S. W. Olding (Karen Moe)

Poster A53D-0267 (1:40 pm, Poster Hall)
Panchromatic Fourier Transform Spectrometer (PanFTS) for the Geostationary Coastal and Air Pollution Events (GEO-CAPE) Mission
- Stanley Sander

Presentation A54A-05 (5:00 pm, 3004 Moscone West)
Passive multiangle imaging of clouds, aerosols, and atmospheric dynamics: Broadening our vision from MISR to WindCam and MSPI
- David Diner

About ESTO

The Earth Science Technology Office (ESTO) is the lead technology office within the Earth Science Division of the NASA Science Mission Directorate. ESTO is responsible for funding and developing technologies that are needed for future Earth science measurements. With a portfolio of over 600 past and current investments and a rate of technology infusion approaching 35%, ESTO continues to build NASA's reputation for leading-edge technology development. ESTO's approach to technology development is defined by three primary factors: a commitment to competitive, peer-reviewed solicitations; a focus on active management of technology investments; and consistent interaction with a diverse research community to formulate science and technology requirements as well as infuse maturing technologies into missions and measurements.

For more information about ESTO and its technology investments, visit http://esto.nasa.gov