2009 AGU Fall Meeting
Schedule of ESTO-Funded and ESTO-Affiliated Project Presentations

Monday, December 14

Poster Number IN11B-1054 (8:00 am, Poster Hall)
Multi-Sensor Data Synergy Advisor
- Greg Leptoukh

Poster ED11A-0571 (8:00 am - 12:20 pm, Poster Hall)
Estimating and Presenting Individualized Earthquake Risk Using Web-Based Information Services.
- R. Holiday (A. Donnellan)

Session NH12A-05 (11:20 am, 3001 Moscone West)
Role of the Internet in Anticipating and Mitigating Earthquake Catastrophes, and the Emergence of Personal Risk Management .
- J. B. Rundle (A. Donnellan)

Session A12C-05 (11:20 am, 3004 Moscone West)
Doppler and Multiple Scattering simulations for spaceborne cloud profiling radars.
- A. Battaglia (S. Tanelli)

Session IN13C-02. (1:55 pm, 102 Moscone South)
InSAR Scientific Computing Environment.
- Paul Rosen

Session IN13C-05 (2:40 pm, 102 Moscone South)
SPAN: A Network Providing Integrated, End-to-End, Sensor-to-Database Solutions for Environmental Sciences.
- T. Benzel (Y. H. Cho)

Session Number IN13C-07 (3:10 pm, 102 Moscone South) ***Networking Sensor Observations, Forecast Models & Data Analysis Tools.***
- Stephan Falke

Tuesday, December 15

Poster A21D-0267 (8:00 am - 12:20 pm, Poster Hall)
Development of NASA's integrated Instrument Simulator Suite for Atmospheric Remote Sensing from Spaceborne Platforms (ISSARS)
- Simon Tanelli

Session S22A-08 (12:05 pm, 2005 Moscone West)
Development of Earthquake Early Warning System in Southern California Using Real Time GPS and Seismic Data.
- M. B. Squibb (Y. Bock)

Session B23F-01 (1:40 pm, 3018 Moscone West)
Alternate Spatial Sampling Approaches for Ecosystem structure inventory using a spaceborne lidar
- Lefsky (Carl Weimer)

Poster G23A-0654 (1:40 – 6:00 pm, Poster Hall)
Efficient Swath Mapping Laser Altimetry Demonstration.
- Anthony Yu

Tuesday continued...

Poster IN23C-1072 (1:40 – 6:00 pm, Poster Hall)
SensorKit: A Flexible and Extensible System for In-Situ Data Acquisition.
- F. Silva (Y. H. Cho)

NASA Exhibit Presentation: 5:30 pm
Information Systems: Investments for the Future of Earth Science
- Karen Moe

Wednesday, December 16

ESTO-Chaired Poster Session IN31C: ***Frontiers in Advanced Information Systems and Earth Observation Technology*** (8:00 am - 12:20 pm, Poster Hall)

Poster IN31C-1011 (8:00 am - 12:20 pm, Poster Hall)
Advanced Technologies for Measurement of Decadal Climate Change from Space
- Martin Mlynczak

Poster IN31C-1014 (8:00 am - 12:20 pm, Poster Hall)
Geostatistical Data Fusion for Remote Sensing Applications
- Amy Braverman

Poster IN31C-1015 (8:00 am - 12:20 pm, Poster Hall)
The Glacier and Land Ice Surface Topography Interferometer: An Airborne Proof-of-concept Mapping Sensor
- Delwyn Moller

Poster IN31C-1016 (8:00 am - 12:20 pm, Poster Hall)
MAGI-L: A Space-Based High-Performance Thermal Infrared Imaging Spectrometer
- J. L. Hall

Poster IN31C-1017 (8:00 am - 12:20 pm, Poster Hall)
Extending TOPS: Knowledge Management System for Anomaly Detection and Analysis
- P. Votava (R.R. Nemani)

Poster IN31C-1018 (8:00 am - 12:20 pm, Poster Hall)
An International Disaster Management SensorWeb Consisting of Space-based and Insitu Sensors.
- Dan Mandl

Poster IN31C-1019 (8:00 am - 12:20 pm, Poster Hall)
Advanced Component Development to Enable Low-Mass, Low-Power High-Frequency Microwave Radiometers for Coastal Wet-Tropospheric Correction on SWOT
- Steve Reising

Poster IN31C-1020 (8:00 am - 12:20 pm, Poster Hall)
Development of a High-Altitude, High-Accuracy, Wide-Swath Imaging Laser Altimeter Capability for the Global Hawk UAV Aircraft
- J. B. Blair

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Wednesday continued...

Poster B31A-0316 (8:00 am - 12:20 pm, Poster Hall)
Flash Lidar Data Processing.
- M. D. Bergkoette (Carl Weimer)

Session G31A-04 (8:45 am, 3022 Moscone West)
Development of InSAR tropospheric correction maps using continuous GPS data and weather models.
- A. W. Moore (Y. Bock)

NASA Exhibit Presentation: 10:00 am
Fabry-Perot Based Radiometers for Atmospheric Trace Species Measurement
- William Heaps

Session G32A-04 (11:05 am, 3022 Moscone West)
Rapid Detection and Characterization of Medium to Large Earthquakes Using Absolute Displacement Waveforms from GPS and Seismic Data.
- Y. Bock

Session IN33E-01 (1:40 pm, 301 Moscone South)
The Role of Uncertainty in Spatial Statistical Modeling of Geophysical Processes
- Amy Braverman

NASA Exhibit Presentation: 5:30 pm
SPAN: A Sensor Processing and Acquisition Network for Ecological Monitoring
- Terry Benzel

Thursday, December 17

Poster N41A-1127 (8:00 am - 12:20 pm, Poster Hall)
QuakeSim: Increasing Utility of Spacebourne and Ground-based Earthquake Fault Data.
- J. W. Parker (A. Donnellan)

NASA Exhibit Presentation: 1:00 pm
Space-based mineral and gas identification using a High-Performance Thermal Infrared Imaging Spectrometer
- Jeffrey Hall

Thursday continued...

NASA Exhibit Presentation: 1:30 pm
Aircraft Instruments Stimulus: The Enhanced MAS System
- Jeff Myers

Poster NH43C-1333 (1:40 – 6:00 pm, Poster Hall)
Modeling of Natural Hazards Related to the Los Angeles Basin, Southern California.
- M. T. Glasscoe (A. Donnellan)

ESTO-Chaired Session IN43E: ***Earth and Space Science Informatics General Contributions II***
(1:40 pm, 102 Moscone South)

Session IN43E-07 (3:10 pm, 102 Moscone South)
Technology Challenges for Data Systems in the Decadal Survey
- Karen Moe

Session IN43E-08 (3:25 pm, 102 Moscone South)
Interoperability in an Atmospheric Composition Portal
- Frank Lindsay / Chris Lynnes (Stephan Falke / Gregory Leptoukh)

NASA Exhibit Presentation: 5:30 pm
Detection of Lightning on Mars
- Chris Ruf

Friday, December 18

Session A51M-07 (9:30 am, 3004 Moscone West)
How Low Can We Go? Characterizations of Ozone Profiles Using Panchromatic Spectral Coverage and Implications for Air Pollution Science from a Geostationary View.
- A. Eldering; (M. Lee)

Poster A53A-0247 (1:40 – 6:00 pm, Poster Hall)
Observing system simulation experiments (OSSE) in support of the GEO-CAPE mission: impact of panspectral retrievals on boundary layer ozone prediction.
- K. W. Bowman (M. Lee)

About ESTO

The Earth Science Technology Office (ESTO) is the lead technology office within the Earth Science Division of the NASA Science Mission Directorate. As such, ESTO is responsible for funding and developing the technologies that will be needed for future Earth science measurements. With a portfolio of over 600 past and current investments and a rate of technology infusion approaching 34%, 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 technology management; 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