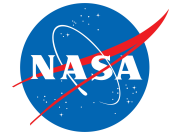


2012 AGU Fall Meeting

NASA Earth Science Technology Office

Schedule of Affiliated Sessions, Presentations, Posters, and Events



Monday, December 3

Poster Session IN11D (8:00 am, Hall A-C)

Open Source Technologies and Architectures Facilitating Science Data Center Collaboration and Management I
- and -

Oral Session N11F (8:00 - 10:00 am, room 2020 MW)

Open Source Technologies and Architectures Facilitating Science Data Center Collaboration and Management II

- Conveners: Robert Downs, Chris Mattman, John Hughes and Mary Jo Brodzik

Presentation H12E-02 (10:35 am, room 3020 MW)

Remote Sensing Applications in Hydrology II

- Steven C. Reising

Poster A13K-0336 (1:40 pm, Hall A-C)

Airborne Multi-wavelength High Spectral Resolution Lidar for Process Studies and Assessment of Future Satellite Remote Sensing Concepts - Chris A. Hostetler

Poster H13F-1416 (1:40 pm, Hall A-C)

Monitoring the Hydrologic Cycle With the PATH Mission

- Bjorn Lambriksen

Poster IN13C-1508 (1:40 pm, Hall A-C)

Using UAVSAR to Estimate Creep Along the Superstition Hills Fault, Southern California - Andrea Donnellan

Poster IN13C-1509 (1:40 pm, Hall A-C)

Understanding Slip on Triggered Faults in the Presence of a Large Regional Deformation

- Moises M. Ponce-Zepeda (Andrea Donnellan)

Poster IN13C-1511 (1:40 pm, Hall A-C)

The Glacier and Ice Surface Topography Interferometer: UAVSAR's Single-pass Ka-Band Interferometer

- Delwyn Moller

Poster S13A-2518 (1:40 pm, Hall A-C)

Dynamics, Patterns, and Migration in Earthquake Fault Systems - John B. Rundle (Andrea Donnellan)

Presentation IN13D-04 (2:25 pm, room 2020 MW)

Likelihood-based Quantification of Agreement between Climate Model Output and NASA Data Records

- Amy Braverman

Presentation S13G-08 (3:25 pm, room 3011 MW)

Portable Remote Imaging Spectrometer (PRISM): Laboratory and Field Calibration Results

- Ian B. McCubbin (Pantazis Mouroulis)

Tuesday, December 4

Presentation A23E-0279 (9:30 am, room 3006 MW)

An OSSE Platform for Terrestrial Hydrology using the Land Information System (LIS): Initial Results from SMAP-relevant OSSEs - Kenneth W. Harrison (Christa D. Peters-Lidard)

Presentation SA22B-08 (12:05 pm, room 2011 MW)

Atomic Oxygen and Energy Balance in the Mesosphere and Lower Thermosphere - Martin G. Mlynczak

Poster G23A-0885 (1:40 pm, Hall A-C)

High-Altitude Laser Altimetry from the Global Hawk UAV for Regional Mapping of Surface Topography - Bryan Blair

Presentation H23J-03 (2:20 pm, room 3022 MW)

Translation of Land Surface Model Accuracy and Uncertainty into Coupled Land-Atmosphere Prediction

- Joseph A. Santanello (Christa D. Peters-Lidard)

Leptoukh Lecture IN24B (4:00 pm, room 104 MS)

Bridging Informatics and Earth Science: a Look at Gregory Leptoukh's Contributions - Christopher Lynnes

Presentation IN24A-05 (5:00 pm, room 2020 MW)

Massive Data Set Analysis in Climate Science

- Amy Braverman

NASA Exhibit Presentation (5:30 pm, NASA Exhibit)

Leveraging JPL's Regional Climate Model Evaluation System in the Coordinated Regional Downscaling Experiment (CORDEX) - Chris Mattman

Wednesday, December 5

Poster Session IN31C (8:00 am, Hall A-C)

Technology Enabling Earth Science From Big Data to Small Satellites I - Conveners: Charles Norton, Jacqueline LeMoigne,

Therese Moretto and Karen Moe

Poster N31C-1510 (8:00 am, Hall A-C)

The GPS Analysis Package for Exploration and Understanding of Geodetic Sensor Web Time Series Data

- Robert A. Granat (Andrea Donnellan)

Poster IN31C-1513 (8:00 am, Hall A-C)

The SpaceCube Family of Hybrid On-Board Science Data Processors: An Update - Thomas Flatley

Poster IN31C-1516 (8:00 am, Hall A-C)

Analysis of Tropical Cyclones and Tropical Waves using the Parallel Ensemble Empirical Model Decomposition (EEMD) Method - Bo-Wen Shen

Poster IN31C-1517 (8:00 am, Hall A-C)

Time-Frequency-Amplitude/Energy Representation of Geophysical Data: A Local Perspective

- Zhaohua Wu (Bo-Wen Shen)

Presentation IN31D-07 (9:30 am, 2020 MW)

Practitioner Perspectives on a Disaster Management Architecture - Karen Moe

Poster A33I-0254 (1:40 pm, Hall A-C)

Exploration of coincidence criteria for ACOS/TCCON
- Hai Nguyen

Poster A33I-0267 (1:40 pm, Hall A-C)

Geostationary Fourier Transform Spectrometer (GeoFTS)
- Stanley Sander

...Continued on Reverse

Wednesday continued...

Presentation IN33D-04 (2:25 pm, room 2020 MW)
The Earth Phenomena Observation System (EPOS): A Coordination Manager for Enhanced Hurricane Data Collection
- Mark Abramson (Stephan Kolitz)

Oral Session IN33D (1:40 - 3:40 pm ; room 2020 MW)
Technology Enabling Earth Science From Big Data to Small Satellites II - Conveners: Charles Norton, Jacqueline LeMoigne, Therese Moretto and Karen Moe

Presentation IN33D-01 (1:40 pm, room 2020 MW)
Advanced Information Technology Investments at the NASA Earth Science Technology Office - Michael Seablom

Presentation IN33D-02 (1:55 pm, room 2020 MW)
A Hybrid-Cloud Science Data System Enabling Advanced Rapid Imaging & Analysis for Monitoring Hazards - Hook Hua

Presentation IN33D-03 (2:10 pm, room 2020 MW)
Fusion of Hurricane Models and Observations: Developing the Technology to Improve the Forecasts
- Svetla M. Hristova-Veleva

Presentation IN33D-04 (2:25 pm, room 2020 MW)
The Earth Phenomena Observation System (EPOS): A Coordination Manager for Enhanced Hurricane Data Collection
- Mark Abramson (Stephan Kolitz)

Presentation IN33D-05 (2:40 pm, room 2020 MW)
Rapid Onboard Data Product Generation with Multicore Processors and FPGA - Daniel Mandl

Presentation V33E-06 (2:55 pm, room 310 MS)
Interactive Radiative Transfer Modeling Tools to Map Volcanic Emissions with Thermal IR Remote Sensing
- Vincent J. Realmuto (Alexander Berk)

Presentation IN33D-07 (3:10 pm, room 2020 MW)
The NASA EV-2 CYGNSS Small Satellite Constellation Mission - Christopher S. Ruf

Thursday, December 6

NASA Exhibit Presentation (2:00 pm, NASA Exhibit)
Adaptive Lidar for 3-D Earth Imaging - Carl Weimer

Presentation NG43C-03 (2:10 pm, room 300, MS)
Web-Based Real Time Earthquake Forecasting and Personal Risk Management - John B. Rundle (Andrea Donnellan)

NASA Exhibit Presentation (5:00 pm, NASA Exhibit)
Fusion of Hurricane Models and Observations: Developing Technology to Improve Forecasts
- Svetla Hristova-Veleva

Friday, December 7

Posster IN51A-1684 (8:00 am, Hall A-C)
QuakeSim Project Networking
- Daniel Kong (Andrea Donnellan)

Poster PA51A-2070 (8:00 am, Hall A-C)
E-DECIDER: Using ES Data and Modeling Tools to Develop Decision Support for Earthquake Disaster Response
- Margaret T. Glasscoe (Andrea Donnellan)

Presentation A51H-03 (8:30 am, room 3012 MW)
Pulsed Lidar Measurements of Atmospheric CO2 Column Absorption in the ASCENDS 2011 Airborne Campaign: Measurement Analysis - Anand Ramanathan (James Abshire)

Poster A53H-0216 (1:40 pm, Hall A-C)
Observing System Simulations for the NASA ASCENDS Lidar CO2 Mission Concept: Substantiating Science Measurement Requirements
- Stephan R. Kawa; (James B. Abshire)

Poster A53H-0225 (1:40 pm, Hall A-C)
Pulsed Lidar Measurements of Atmospheric CO2 Column Absorption in the ASCENDS 2011 Airborne Campaign
- James B. Abshire

Poster A53H-0226 (1:40 pm, Hall A-C)
Atmospheric Backscatter Profiles at 1572nm from Pulsed Lidar Measurements of CO2 Column Absorption from the 2011 ASCENDS Flight Campaign
- Graham R. Allan (Haris Riris, Xiaoli Sun, and James B. Abshire)

Poster A53H-0227 (1:40 pm, Hall A-C)
Atmospheric Airborne Pressure Measurements Using the Oxygen A Band for the ASCENDS Mission
- Michael Rodriguez (James B. Abshire and Haris Riris)

Poster A53H-0229 (1:40 pm, Hall A-C)
Broad Band LIDAR for ASCENDS--Status and Future Plans
- William S. Heaps

Poster A53H-0230 (1:40 pm, Hall A-C)
ACES: The ASCENDS CarbonHawk Experiment Simulator
- Michael D. Obland

Poster A53H-0231 (1:40 pm, Hall A-C)
Receiver Performance of CO2 and CH4 Lidar with Low Noise HgCdTe Avalanche Photodiodes - Xiaoli Sun

Poster A53H-0232 (1:40 pm, Hall A-C)
2-micron Pulsed Direct Detection IPDA Lidar for Atmospheric CO2 Measurement - Jirong Yu

Poster A53H-0233 (1:40 pm, Hall A-C)
Airborne Methane Measurements using Optical Parametric Amplifiers - Haris Riris

Poster G53A-1126 (1:40 pm, Hall A-C)
Salton Trough Post-seismic Afterslip, Viscoelastic Response, and Contribution to Regional Hazard
- Jay W. Parker (Andrea Donnellan)



For more information about ESTO and its technology investments, visit
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