



## 2015 American Meteorological Society Annual Meeting

NASA Earth Science Technology Office (ESTO) Affiliated Presentations, Posters, and Events

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### WEDNESDAY, JANUARY 7

#### **ESTO Session: Innovative Sensors and Methods**

Co-chairs: George Komar and Robert Bauer, NASA ESTO

10:30 am-12:00 pm, 232A-C West and North Buildings

10:30 am - **Microwave Radiometer Technology Acceleration Mission (MiRaTA): Advancing Weather Remote Sensing with Nanosatellites**

- Kerri Cahoy, MIT

10:45 - **MISTiC Winds, a Distributed Architecture Approach to Dynamic Weather Observations**

- Kevin Maschhoff, BAE Systems

11:00 - **Airborne Demonstration of High-frequency Airborne Microwave and Millimeter-wave Radiometer (HAMMR) to Improve Spatial Resolution of Wet-Tropospheric Path Delay Corrections for Coastal and Inland Water Altimetry**

- Steven C. Reising, Colorado State Univ

11:15 - **A Compact SSI Instrument (CSIM)** - Erik Richard, University of Colorado

11:30 - **Fusion of Hurricane Models and Observations: Developing the Technology to Improve the Forecasts**

- Svetla Hristova-Veleva, JPL

11:45 - **Using AIRS Data to Detect Temperature Inversions in Near-Real Time**

- Mark Barker, NASA DEVELOP National Program

5:15 pm, Paper 2.6, 211A West Building

#### **The HAWC-OAWL**

- Sara C. Tucker, Ball Aerospace & Technologies Corp

### THURSDAY, JANUARY 8

Paper J4.1 (8:30 AM, 211A West Building)

**Technology Advancement for Active Remote Sensing of Carbon Dioxide from Space Using the ASCENDS CarbonHawk Experiment Simulator: First Results**

- Michael D. Obland

9:15 am, Paper J4.4, 211A West Building

#### **The ATHENA-OAWL Doppler Wind Lidar Mission**

- Carl Weimer, Ball Aerospace & Technologies Corp