



SOARS Colloquium
July 25, 2016, 9:00 am – 3:00 pm
UCAR FL2 - 1001 Small Auditorium

Available for live stream during the talks at: <https://ucarconnect.ucar.edu/live?room=f121001#>

First Session 9:00-10:15

- 9:00 Steven Naegele Riming Parameterization Impacts on the Microphysical Evolution of a Northeast Winter Cyclone and the Associated Snow Bands
- 9:15 Ryder Fox Behind the Rapid Intensification of Hurricane Patricia, the Strongest Recorded Hurricane in History
- 9:30 Amy Chen Sensitivity of Model Precipitation and Propagation Verification Results: Method for Object-based Diagnostic Evaluation – Time Domain
- 9:45 Amber Liggett Developing a Quantitative Measure of Convective Forcing to Evaluate High Resolution Rapid Refresh Ensemble (HRRRE) Variance)
- 10:00 Lauren Deanes Evaluation of High Resolution Rapid Refresh-Smoke (HRRR-Smoke) Modeling Products Using PM2.5 Observations

10:15 – 10:45 Break

Second Session 10:45-12:15

- 10:45 Jenine McKoy Sustainable Waterways: Modeling the impact of Interdependent Relationships within the Water-Energy Nexus
- 11:00 Briah' Davis From DOS to LabVIEW Real-Time: Modernizing a Carbon Monoxide Instrument for User-Friendly Data Acquisition
- 11:15 Jesse Villalobos Confirming the Improved Precision and Accuracy of a Modified Airborne Carbon Monoxide (CO) Analyzer for Measurement in the Upper Troposphere

11:30 Keon Gibson Temperature Effects on Vibrating Wire Frequencies

11:45 – 12:45 Lunch Break

Third Session 12:45-1:45

12:45 Ryan Adams Eyes on the Arctic: The Ice/Snow Cover Relationship with Western North Atlantic Extra-tropical Cyclone Environs

1:00 Nkosi Muse Understanding & Communicating Future Flood Losses Using Weather Typing

1:15 Shay Gilpin Weather Balloons to Satellites: Mathematical Comparison of Radiosonde and Radio Occultation Refractivity Over Guam

1:30 William Evonosky Modeling Molecular Hydrogen Emission in M Dwarf Exoplanetary Systems

1:45 – 2:00 Break

Fourth Session 2:00-3:00

2:00 Rosa Vargas-Martes Further Exploration of Precursors and MJO Initiation Events as Revealed by an MJO-like Dynamical Mode

2:15 Tony Hurt The Variability of Diurnal Cycle Precipitation over the Pacific Basin Associated with El Niño

2:30 Arianna Varuolo-Clarke Northeast Pacific Stratocumulus to Cumulus Transition in the Community Earth System Model

2:45 Meghan Mitchell Development of Statistical Post-Processing Techniques for Improved Low-level Wind Speed Forecasts

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