



SOARS Colloquium
July 31, 2017, 9:00 am – 4:30 pm
UCAR FL2 - 1001 Small Auditorium

Available for live stream during the talks at: <https://ucarconnect.ucar.edu/live?room=fl21001#>

First Session

9:00 - 10:15

- | | | |
|-------|-------------|---|
| 9:00 | Nkosi Muse | Evaluating High-Resolution CESM Hurricane Climatology of the North Atlantic: Comparing Model Landfalls to Observational Landfalls |
| 9:15 | Ryder Fox | Evaluating Tropical Cyclones Simulated by a Global Cloud-Resolving Model |
| 9:30 | Keenan Eure | The Influence of ENSO on the North Pacific through Daily Weather Changes |
| 9:45 | Tony Hurt | Examining Diurnal Variability Across the Equatorial Pacific Basin Associated with ENSO |
| 10:00 | Ebone Smith | Observing and Analyzing Variations of Daily Precipitation: The Impact of El Niño/Southern Oscillation on Kiritimati Island |

Break 10:15 - 10:30

Second Session

10:30 - 12:00

- | | | |
|-------|------------------------|---|
| 10:30 | Marcel Corchado-Albelo | New Coronal Magnetic Field Energy Diagnostic to Enhance Space Weather Predictions |
| 10:45 | Amy Chen | Terrain Sensitivity in WRF Simulation from a SNOWIE Field Campaign |
| 11:00 | Jaylond Harvey | Exploring the capabilities of the CHM 15k Ceilometer to Detect Icing Conditions within Clouds |
| 11:15 | Kimberly Brothers | Forecast Verification of the 2017 Flooding at Lake Oroville Using the National Water Model |

- 11:30 Brittany Welch The Truck Blower Algorithm for the Pikalert® System
- 11:45 Briah' Davis Visualizing in Python: Analyzing GOES-16 Platform Data Sets in the Cloud

LUNCH 12:00 - 1:30

Third Session 1:30 - 3:00

- 1:30 Rosa Vargas-Martes Role of Ocean and Atmospheric Heat Transport in the Arctic Amplification
- 1:45 Jamin Rader Seasonal Dynamics of Productivity in the Southern Red Sea using Satellite Measurements
- 2:00 Pedro Brea Analysis of Daily Timescale Surface Temperature Variability in the Community Atmosphere Model
- 2:15 Gabriela Negrete-Garcia Southern Ocean Acidification: Assessing Vulnerability
- 2:30 Jordan Benjamin Examining the Impact of Climate Change on the Stratosphere-Troposphere Exchange
- 2:45 Colette Brown A Comparison of ADCIRC Storm Surge Predictions Given Different Forcing Inputs

Break 3:00 - 3:15

Fourth Session 3:15 - 4:30

- 3:15 Arianna Varuolo-Clarke Investigating the Influence of Topography on the Dynamics of the North American Monsoon in Climate Model Simulations
- 3:30 Jeremiah Piersante Characteristics of Hail Events near the Sierras de Córdoba, Argentina
- 3:45 Shay Gilpin Calculation of Radio Occultation Bending Angles from Models: Sensitivity to Vertical Interpolation Methods
- 4:00 Keon Gibson Searching for New Diagnostics for Measuring Solar Coronal Magnetism
- 4:15 William Evonosky INSPIRESat-1: Science Expectations for an Ionosphere Exploring Cubesat