



SOARS Colloquium
July 30, 2018, 9:00 am – 4:00 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 - 10:30

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| 9:00 | Jamin Rader | Using Diurnal Temperature Range Variability to Constrain the Water Vapor Feedback |
| 9:15 | Jane Harrell | Predicting Streamflow, Snowpack, and Stream Temperature Sensitivities to Climate Change in the Pacific Northwest's Green River Basin |
| 9:30 | Kimberly Brothers | Present and Future Impacts of Tropical Cyclones on U.S. Metropolitan Hydroclimatology in a High-Resolution Climate Model |
| 9:45 | Sung Min Kim | Comparing Statistics of Precipitation Variations During the American Monsoon in CESM1 |
| 10:00 | Holly Olivarez | The Impact of Volcanic Eruptions on Ocean pH |
| 10:15 | Mia Murray | Ozone's Impact on Climate Change: Tropospheric Ozone Variability as Measured by Ozonesondes |

Break 10:30 - 10:45

Second Session

10:45 - 12:15

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| 10:45 | Jeremiah Piersante | Understanding Subtropical MCSs in Argentina using WRF |
| 11:00 | Malcolm Wilson | A Potential Diagnostic to Characterize Different Weather-Regime Forcings of Convective-Precipitation Events |
| 11:15 | Cindi-Ann Findley | Investigating Hurricane Storm Surge Predictability Using ADCIRC and SLOSH |

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| 11:30 | Nathalie Rivera-Torres | The Impact of High-Resolution Terrain Data in WRF Simulations of Hurricane Maria |
| 11:45 | Keenan Eure | Physical Mechanisms of Tropical Cyclone Intensification in Environments with Temporally Varying Vertical Wind Shear |
| 12:00 | Michaela Serpas | Characteristics of Hail Accumulation Events around Denver |

LUNCH 12:15 - 1:30

Third Session 1:30 – 2:30

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| 1:30 | Jaylond Harvey | Exploring the Relationship between Liquid Water Equivalent and Ice Accretion Rates |
| 1:45 | Brittany Welch | A Sensitivity Analysis of Truck Blowover Algorithm for the Pikalert® System |
| 2:00 | Star Williams | Quantifying Snow/Ice Albedo Feedback in the Arctic Based on Reanalysis Data |
| 2:15 | Katia Lezine | Quantifying Spatial and Temporal Sampling Uncertainty in the SWOOSH Database |

Break 2:30 - 3:00

Fourth Session 3:00 - 4:00

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| 3:00 | Amber Liggett | Weather-Ready Nation: Care Model Development for Ambassadors |
| 3:15 | Amin Taziny | Analysis of Short-Term Ionospheric Variability using WACCM-X |
| 3:30 | Marcel Corchado-Albelo | Designing a New Coronal Magnetic Energy Diagnostic |
| 3:45 | Pedro Brea | Using Machine Learning Techniques to Forecast Solar Energetic Particle Events |