Sunday, September 13
ALL TIMES IN EDT

STUDENT CONFERENCE

12:00 - 12:30 PM  Student Conference Kick-Off: Welcome & Introductions

12:30 - 12:45 PM  Break

12:45 - 1:15 PM   Keynote: Future Horizons in Meteorology & Beyond with Dr. Louis Uccellini, NOAA/NWS

1:15 - 1:30 PM     Break

1:30 - 2:15 PM   Panel: Adapting on the Fly: Quickly Adjusting to Virtual Work & Study Environments with Trisha Palmer, Marshall Moss, and Dr. Alex DeCaria

2:15 - 2:45 PM   The Economic Benefits of Weather Forecasting with Dr. Jeff Lazo

2:45 - 3:00 PM    Break

3:00 - 3:30 PM   Hazardous Weather Communication During Quarantine with Jason Frazer, WKYC

3:30 - 3:45 PM    Break

3:45 - 4:15 PM   Artificial Intelligence at the Warning Desk with Dylan Steinkruger

4:15 - 4:45 PM    Open Forum Q&A with Amber Liggett & John Banghoff

4:45 - 5:00 PM    Break

5:00 - 6:20 PM   Speed Mentoring Breakout Sessions (Academia, EMA, Grad Students, Non-NWS Government, NWS, NWS HQ, Private Sector, TV)

6:20 - 7:00 PM   Speed Mentoring Free-for-All
Sunday, September 13 (Continued)
ALL TIMES IN EDT

BROADCASTER WORKSHOP

1:00 PM  Virtual Exhibit Hall Opens

2:00 – 3:30 PM  Broadcaster Workshop Session #1* (Session #2 Wed. at 12:30 PM)

*2:00 – 2:20 PM  State of the Models with Mike Farrar

*2:20 – 2:30 PM  Communicating Geographic Tornado Warning Information to People Who Are Blind with Kathleen Sherman-Morris

*2:30 – 2:40 PM  How to Effectively Use Social Media to Convey Critical Information and Grow Your Community with Jennifer Ast (Watson)

*2:40 – 2:50 PM  Expert Judgment vs. Yours: Understanding Local Flood Risk Perceptions with Amber Liggett

*2:50 – 3:30 PM  Panel: Best Practices for Effective Radar Use During Severe Weather Coverage on TV

8:00 – 9:00 PM  Legally Speaking with Bob Nelon, attorney

9:00 – 9:15 PM  Networking Break & Virtual Exhibits

9:15 – 10:30 PM  Broadcaster Reel Swap
National Weather Association
2020 Annual Meeting Agenda

Monday, September 14
ALL TIMES IN EDT

9:00 AM  Virtual Exhibit Hall Opens

10:00 AM – 12:00 PM  Master Class  **Must be pre-registered by selecting this during registration. Limited availability.**

1:00 – 2:30 PM  Satellite Workshop Listening Session: What Follows GOES-R? with Dan Lindsey, Jordan Gerth, and Pam Sullivan

4:30 – 5:30 PM  Virtual Poster Session #1  (abstracts will be on virtual platform)

7:00 – 8:30 PM  2020 NWA Annual Meeting Kickoff

  *Opening Remarks & Presidential Address with NWA President Todd Lericos*

  *Awards Ceremony*

  *Top 10 Weather Events of 2020 with Greg Carbin*
Tuesday, September 15
ALL TIMES IN EDT

9:00 AM  Virtual Exhibit Hall Opens

10:00 – 10:45 AM  COVID-19 Panel: COVID-19 & the Weather Enterprise: How Did We Get Here and How Do We Move Forward Together? with Alex Hoon, NWS IMET, WFO Reno; Ashley Gann, CBS42 Birmingham; David Dillahunt, Southwest Airlines; and Melissa Sizemore, EM Officer, Jefferson Co. Alabama (Moderator: Mary Erickson, NWS Deputy Director)

10:45 – 11:00 AM  Networking Break & Virtual Exhibits

11:00 AM – 12:00 PM  Keynote with Dr. Avi Goldfarb, University of Toronto

12:00 – 12:30 PM  Wellness Break/Lunch

12:15 – 12:30 PM  Student Map Briefing

12:30 – 1:15 PM  Invited Talk with Dr. Neil Jacobs, NOAA

1:15 – 1:30 PM  Networking Break & Virtual Exhibits

1:30 – 3:00 PM  General Session: Satellite

*1:30 – 1:40 PM  Augmented and Virtual Reality (AR/VR) Visualizations of the Earth System and 3D Satellite Imagery with Amy Stevermer & Bryan Guarente

*1:40 – 1:50 PM  Evaluation of Combined Satellite-based Precipitation Products over CONUS Mountainous Regions with Yagmur Derin

*1:50 – 2:00 PM  Using GOES-R and JPSS Satellite Data to Detect and Track Hazardous Sea Spray in the High Latitudes with Bill Line

*2:00 – 2:15 PM  Precipitation typology with GOES-R observations using insights from the MRMS system with Shruti Upadhyaya

*2:15 – 2:30 PM  Multisensor Satellite-Driven Water Vapor Products for Forecasters with John Forsythe

*2:30 – 2:45 PM  Integration of GOES-16 into the Convective Warning Environment with Barry Bowers

*2:45 – 3:00 PM  Analysis of GOES-16/17 Products for Estimating Precipitation Rate with Machine Learning Techniques with Heather Grams
### National Weather Association
#### 2020 Annual Meeting Agenda

**Tuesday, September 15 (continued)**

**ALL TIMES IN EDT**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>3:00 – 3:15 PM</td>
<td>Networking Break &amp; Virtual Exhibits</td>
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<tr>
<td>3:15 – 4:45 PM</td>
<td><strong>General Session: Leveraging Technology</strong></td>
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<tr>
<td>*3:15 – 3:30 PM</td>
<td>Cloud Environments for AWIPS: Development/Testing/Training and Operations with Scott Jacobs</td>
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<td>*3:30 – 3:45 PM</td>
<td>Evolving Hazard Services Probabilistic Hazard Information for FACETs at the Warning Scale with Greg Stumpf</td>
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<td>*3:45 – 4:00 PM</td>
<td>TBA</td>
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<td>*4:00 – 4:15 PM</td>
<td>Using a Convolutional Neural Network to Assist in Situational Awareness with Travis Wilson</td>
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<td>*4:15 – 4:30 PM</td>
<td>Machine Learning Techniques for High Wind Forecasting Across Southeast Wyoming &amp; Western Nebraska with Chris Hammer</td>
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<tr>
<td>*4:30 – 4:45 PM</td>
<td>Using Machine Learning to Help Communicate Winter Weather Impacts with Thong Dang</td>
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<tr>
<td>4:45 – 5:45 PM</td>
<td>Virtual Poster Session #2 <em>(abstracts will be on virtual platform)</em></td>
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National Weather Association
2020 Annual Meeting Agenda

Wednesday, September 16
ALL TIMES IN EDT

9:00 AM           Virtual Exhibit Hall Opens

10:00 – 11:00 AM  Keynote with Dr. Florence Rabier, ECMWF

11:00 – 11:15 AM  Networking Break & Virtual Exhibits

11:15 AM – 12:00 PM Invited Talk with Dr. Aaron Hill, Colorado State

12:00 – 12:30 PM  Wellness Break/Lunch

12:15 – 12:30 PM  Student Map Briefing

12:30 – 2:00 PM   Concurrent Sessions: Modeling, IDSS & Support, Broadcast

MODELING*

*12:30 – 12:40 PM  Turning off the NAM, SREF, and HRRR? Plans For Retiring Operational NCEP Models with Geoffrey Manikin


*12:50 – 1:00 PM   Linking Ensemble Data to Users: Snow Probability Tool Provides Unique Insight of Forecast Confidence with Daniel DePodwin

*1:00 – 1:15 PM    Messaging Most-Reasonable Worst-Case Scenarios to Core Partners Using the National Blend of Models with Cindy Elsenheimer

*1:15 – 1:30 PM    User-focused Research to Build a Better Warn-on-Forecast System with Pamela Heinselman

*1:30 – 1:45 PM    The Future of Weather Forecasting in the Era of Statistical Meteorological Guidance with Chad Gravelle

*1:45 – 2:00 PM    NCEP's Convection-Allowing Model Guidance for the 20 May 2019 Southern Plains High Risk Day with Logan Dawson
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<tr>
<td>12:30 – 12:45 PM</td>
<td>The Future of the National Weather Service Today - Deployment Ready Meteorologists in Fire Country with Brian Garcia</td>
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<td>12:45 – 12:55 PM</td>
<td>Thinking Outside the Plume: The ITC/Deer Park, TX Tank Fire with Lance Wood</td>
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<tr>
<td>12:55 – 1:05 PM</td>
<td>Rare Western Washington Convective Event: Decision Support During University of Washington Game with Jacob DeFlitch</td>
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<tr>
<td>1:05 – 1:15 PM</td>
<td>Hurricane Dorian &amp; Beyond: How GIS Mutual Aid and Cloud-based GIS improve IDSS for core partners with Charles Gant</td>
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<td>1:15 – 1:25 PM</td>
<td>The 2020 Collaborative Forecast Process Risk Reduction Experiment at the NWS with JJ Brost</td>
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<td>1:25 – 1:35 PM</td>
<td>IDSS and Social Media Challenges and Successes at a River Forecast Center with Robert Shedd</td>
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<tr>
<td>1:35 – 1:45 PM</td>
<td>Probabilistic Snowfall Forecasts for Denver International Airport Operations with Paul Schlatter</td>
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<tr>
<td>1:45 – 2:00 PM</td>
<td>Team of Teams: Improving Weather Operations by Adopting Crew Resource Management (CRM) with Tim Oram</td>
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Wednesday, September 16 (continued)
ALL TIMES IN EDT

BROADCASTER WORKSHOP #2*

*12:30 – 12:55 PM  
*Weather vs. News: Communicating with the Other Side* with Lelan Statom

*12:55 – 1:10 PM  
*The Power of Storytelling: Survivor Stories* with Butch Kinerney

*1:10 – 1:20 PM  
*The May 28, 2019 eF4 Linwood, KS Tornado: No Fatalities Means the Weather Enterprise Worked* with Bryan Busby

*1:20 – 1:40 PM  
*U.S. Public Interpretation of the SPC Convective Outlook, and Determining the Value of SPC Convective Outlooks to Broadcast Meteorologists* with Sean Ernst

*1:40 – 2:00 PM  
*Mental Health Triggers and Stressors for Meteorologists within a News Environment* with Scott Sincoff

2:00 – 2:15 PM  
Networking Break & Virtual Exhibits

2:15 – 3:45 PM  
Concurrent Sessions: Climate, Aviation

CLIMATE*

*2:15 – 2:30 PM  
*Decision Making Under Uncertainty for Rare Events: Implications for Forecast Quality and Value* with Harold Brooks

*2:30 – 2:45 PM  
*How interpretive climate information can change a community's response to drought in a rainforest* with Aaron Jacobs

*2:45 – 3:00 PM  
*Extreme Climate Change and Societal Health Impacts* with Ashton Cutright

*3:00 – 3:15 PM  
*Role of Climate Information in Supporting Hydro Ops Before During & After the 2019 Miss. River Flood* with Raymond Wolf

*3:15 – 3:30 PM  
*A Climatological Geospatial Analysis of Storm-Based Flash Flood Warnings Across the CONUS* with Jill Hardy

*3:30 – 3:45 PM  
*Improved estimates of U.S. tornado climatology* with Corey Potvin
Wednesday, September 16 (continued)
ALL TIMES IN EDT

AVIATION*

*2:15 – 2:30 PM  An Overview of the Aviation Weather Testbed with Stephanie Avey
*2:30 – 2:45 PM  Improving the National Blend of Models Ceiling Height and Visibility Guidance with Adam Schnapp
*2:45 – 3:00 PM  Aviation and Meteorology Jointly Enhancing Turbulence Forecasting and Avoidance with Gary Pokodner
*3:00 – 3:15 PM  Using Machine Learning and CloudSat Observations to Verify Satellite Cloud Height Assessment with Lance Steele
*3:15 – 3:30 PM  Weather Cameras as Weather Sensors - Deriving Weather Data from Images with Randall Bass
*3:30 – 3:45 PM  Supporting the Trinity Bay Atlas Air Crash Investigation and Recovery Efforts with Lance Wood

3:45 – 4:00 PM  Networking Break & Virtual Exhibits

4:00 – 5:45 PM  R.A.C.E. Panel (Racism and Current Events) with Melissa DePino and Michelle Saahene of From Privilege to Progress (Moderators: Dr. Tyra Brown Harris, Anthony Bailey, and Jennifer Hogan)

5:45 – 6:45 PM  Virtual Poster Session #3 (abstracts will be on virtual platform)
National Weather Association
2020 Annual Meeting Agenda

Thursday, September 17
ALL TIMES IN EDT

9:00 AM   Virtual Exhibit Hall Opens
10:00 – 10:45 AM   FACETs Panel
10:45 – 11:00 AM   Networking Break & Virtual Exhibits
11:00 AM – 12:00 PM   Keynote with Dr. Desiree Hill, UCO
12:00 – 12:30 PM   Wellness Break/Lunch
12:15 – 12:30 PM   Student Map Briefing
12:30 – 1:15 PM   Invited Talk with Dr. Louis Uccellini, NOAA/NWS
1:15 – 1:30 PM   Networking Break & Virtual Exhibits
1:30 – 3:00 PM

General Session: Severe 1*

*1:30 – 1:45 PM   Tornado Warning Improvement for Supercells: Tools Using ZDR/KDP Separation and Size Sorting Signals with Michael Jurewicz

*1:45 – 2:00 PM   Microscale Vortices: When is it a Tornado? with Vivek Mahale

*2:00 – 2:15 PM   WSR-88D Sidelobe Contamination: From the Obvious to the Dubious to Hiding in Plain Sight with Jami Boettcher

*2:15 – 2:30 PM   Leveraging the HREF to Add Probabilistic Severe Timing Information to SPC Outlooks with Israel Jirak

*2:30 – 2:45 PM   Evolving Emphasis/Role of MCDs Following Watch Issuance: Targeting Mesoscale Corridors of Interest with Bryan Smith

*2:45 – 3:00 PM   The Storm Prediction Center Spanish Language Initiative with Joseph Trujillo
Thursday, September 17 (continued)
ALL TIMES IN EDT

3:00 – 3:15 PM  Networking Break & Virtual Exhibits

3:15 – 4:45 PM  General Session: Severe 2*

*3:15 – 3:30 PM  Final Phase of the Hazard Simplification Project with Danielle Nagele

*3:30 – 3:45 PM  National Weather Service Field Testing of the Flash Flood Severity Index (FFSI) with Amanda Schroeder

*3:45 – 4:00 PM  Assessment of NWS/WFO Baltimore/Washington Experimental Days 3-7 Winter Storm Threat Product with David Topping

*4:00 – 4:15 PM  Challenges in Communicating High Impact Mesoscale Snow Bands with Kelly Butler

*4:15 – 4:25 PM  Evaluating the Utility and Response to Uncertainty-Driven and Probabilistic Winter Weather Messaging with Jacob Morse

*4:25 – 4:35 PM  No Longer an Island: Providing Collaborative Messaging and Support for High-Impact Weather with Chauncy Schultz

*4:35 – 4:45 PM  Messaging Challenges and Best Practices During Rare Inland Post-Tropical High Wind Events with Derrick Snyder

4:45 PM  Closing Remarks with NWA President Todd Lericos

Register before 9/10/2020 to receive early access to the platform!
All registered attendees will receive an invitation link from @factor110.

ALL PRESENTATION ABSTRACTS AND DESCRIPTIONS WILL BE AVAILABLE IN THE VIRTUAL MEETING PLATFORM