



# National Weather Association 2020 Annual Meeting Agenda

**Sunday, September 13**

**ALL TIMES IN EDT**

## **STUDENT CONFERENCE**

<b>12:00 - 12:30 PM</b>	Student Conference Kick-Off: Welcome & Introductions
<b>12:30 - 12:45 PM</b>	Break
<b>12:45 - 1:15 PM</b>	Keynote: <i>Future Horizons in Meteorology &amp; Beyond</i> with Dr. Louis Uccellini, NOAA/NWS
<b>1:15 - 1:30 PM</b>	Break
<b>1:30 - 2:15 PM</b>	Panel: <i>Adapting on the Fly: Quickly Adjusting to Virtual Work &amp; Study Environments</i> with Trisha Palmer, Marshall Moss, and Dr. Alex DeCaria
<b>2:15 - 2:45 PM</b>	<i>The Economic Benefits of Weather Forecasting</i> with Dr. Jeff Lazo
<b>2:45 - 3:00 PM</b>	Break
<b>3:00 - 3:30 PM</b>	<i>Hazardous Weather Communication During Quarantine</i> with Jason Frazer, WKYC
<b>3:30 - 3:45 PM</b>	Break
<b>3:45 - 4:15 PM</b>	<i>Artificial Intelligence at the Warning Desk</i> with Dylan Steinkruger
<b>4:15 - 4:45 PM</b>	Open Forum Q&A with Amber Liggett & John Banghoff
<b>4:45 - 5:00 PM</b>	Break
<b>5:00 - 6:20 PM</b>	Speed Mentoring Breakout Sessions ( <i>Academia, EMA, Grad Students, Non-NWS Government, NWS, NWS HQ, Private Sector, TV</i> )
<b>6:20 - 7:00 PM</b>	Speed Mentoring Free-for-All



# National Weather Association 2020 Annual Meeting Agenda

**Sunday, September 13 (Continued)**  
**ALL TIMES IN EDT**

## **BROADCASTER WORKSHOP**

<b>1:00 PM</b>	Virtual Exhibit Hall Opens
<b>2:00 – 3:30 PM</b>	Broadcaster Workshop Session #1* ( <i>Session #2 Wed. at 12:30 PM</i> )
*2:00 – 2:20 PM	<i>State of the Models</i> with Mike Farrar
*2:20 – 2:30 PM	<i>Communicating Geographic Tornado Warning Information to People Who Are Blind</i> with Kathleen Sherman-Morris
*2:30 – 2:40 PM	<i>How to Effectively Use Social Media to Convey Critical Information and Grow Your Community</i> with Jennifer Ast (Watson)
*2:40 – 2:50 PM	<i>Expert Judgment vs. Yours: Understanding Local Flood Risk Perceptions</i> with Amber Liggett
*2:50 – 3:30 PM	Panel: <i>Best Practices for Effective Radar Use During Severe Weather Coverage on TV</i>
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<b>8:00 – 9:00 PM</b>	<i>Legally Speaking</i> with Bob Nelon, attorney
<b>9:00 – 9:15 PM</b>	Networking Break & Virtual Exhibits
<b>9:15 – 10:30 PM</b>	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.*
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- 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*



# National Weather Association 2020 Annual Meeting Agenda

## Tuesday, September 15 ALL TIMES IN EDT

<b>9:00 AM</b>	Virtual Exhibit Hall Opens
<b>10:00 – 10:45 AM</b>	COVID-19 Panel with Jennifer Hogan and Trevor Boucher
<b>10:45 – 11:00 AM</b>	Networking Break & Virtual Exhibits
<b>11:00 AM – 12:00 PM</b>	Keynote with Dr. Avi Goldfarb, University of Toronto
<b>12:00 – 12:30 PM</b>	Wellness Break/Lunch
<b>12:15 – 12:30 PM</b>	Student Map Briefing
<b>12:30 – 1:15 PM</b>	Invited Talk with Dr. Neil Jacobs, NOAA
<b>1:15 – 1:30 PM</b>	Networking Break & Virtual Exhibits
<b>1:30 – 3:00 PM</b>	<b>General Session: Satellite*</b>
*1:30 – 1:40 PM	<i>Augmented and Virtual Reality (AR/VR) Visualizations of the Earth System and 3D Satellite Imagery</i> with Amy Stevermer & Bryan Guarente
*1:40 – 1:50 PM	<i>Evaluation of Combined Satellite-based Precipitation Products over CONUS Mountainous Regions</i> with Yagmur Derin
*1:50 – 2:00 PM	<i>Using GOES-R and JPSS Satellite Data to Detect and Track Hazardous Sea Spray in the High Latitudes</i> with Bill Line
*2:00 – 2:15 PM	<i>Precipitation typology with GOES-R observations using insights from the MRMS system</i> with Shruti Upadhyaya
*2:15 – 2:30 PM	<i>Multisensor Satellite-Driven Water Vapor Products for Forecasters</i> with John Forsythe
*2:30 – 2:45 PM	<i>Integration of GOES-16 into the Convective Warning Environment</i> with Barry Bowers
*2:45 – 3:00 PM	<i>Analysis of GOES-16/17 Products for Estimating Precipitation Rate with Machine Learning Techniques</i> with Heather Grams



# National Weather Association 2020 Annual Meeting Agenda

## Tuesday, September 15 (continued) ALL TIMES IN EDT

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



# National Weather Association 2020 Annual Meeting Agenda

**Wednesday, September 16**  
**ALL TIMES IN EDT**

<b>9:00 AM</b>	Virtual Exhibit Hall Opens
<b>10:00 – 11:00 AM</b>	Keynote with Dr. Florence Rabier, ECMWF
<b>11:00 – 11:15 AM</b>	Networking Break & Virtual Exhibits
<b>11:15 AM – 12:00 PM</b>	Invited Talk with Dr. Aaron Hill, Colorado State
<b>12:00 – 12:30 PM</b>	Wellness Break/Lunch
<b>12:15 – 12:30 PM</b>	Student Map Briefing
<b>12:30 – 2:00 PM</b>	<b>Concurrent Sessions: Modeling, IDSS &amp; Support, Broadcast</b>
	<b>MODELING*</b>
*12:30 – 12:40 PM	<i>Turning off the NAM, SREF, and HRRR? Plans For Retiring Operational NCEP Models</i> with Geoffrey Manikin
*12:40 – 12:50 PM	<i>Convection-Allowing Model Guidance for the 2 - 3 March 2020 Central Tennessee Tornado Outbreak</i> with Logan Dawson
*12:50 – 1:00 PM	<i>Linking Ensemble Data to Users: Snow Probability Tool Provides Unique Insight of Forecast Confidence</i> with Daniel DePodwin
*1:00 – 1:15 PM	<i>Messaging Most-Reasonable Worst-Case Scenarios to Core Partners Using the National Blend of Models</i> with Cindy Elsenheimer
*1:15 – 1:30 PM	<i>User-focused Research to Build a Better Warn-on-Forecast System</i> with Pamela Heinselman
*1:30 – 1:45 PM	<i>The Future of Weather Forecasting in the Era of Statistical Meteorological Guidance</i> with Chad Gravelle
*1:45 – 2:00 PM	<i>NCEP's Convection-Allowing Model Guidance for the 20 May 2019 Southern Plains High Risk Day</i> with Logan Dawson



# National Weather Association 2020 Annual Meeting Agenda

**Wednesday, September 16 (continued)**  
**ALL TIMES IN EDT**

## **IDSS & SUPPORT\***

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



# National Weather Association 2020 Annual Meeting Agenda

## 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



# National Weather Association 2020 Annual Meeting Agenda

**Wednesday, September 16 (continued)**  
**ALL TIMES IN EDT**

## **AVIATION\***

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|------------------------|---|
| <b>*2:15 – 2:30 PM</b> | <i>An Overview of the Aviation Weather Testbed</i> with Stephanie Avey  |
| <b>*2:30 – 2:45 PM</b> | <i>Improving the National Blend of Models Ceiling Height and Visibility Guidance</i> with Adam Schnapp                |
| <b>*2:45 – 3:00 PM</b> | <i>Aviation and Meteorology Jointly Enhancing Turbulence Forecasting and Avoidance</i> with Gary Pokodner             |
| <b>*3:00 – 3:15 PM</b> | <i>Using Machine Learning and CloudSat Observations to Verify Satellite Cloud Height Assessment</i> with Lance Steele |
| <b>*3:15 – 3:30 PM</b> | <i>Weather Cameras as Weather Sensors - Deriving Weather Data from Images</i> with Randall Bass                       |
| <b>*3:30 – 3:45 PM</b> | <i>Supporting the Trinity Bay Atlas Air Crash Investigation and Recovery Efforts</i> with Lance Wood                  |
| <b>3:45 – 4:00 PM</b>  | Networking Break & Virtual Exhibits   |
| <b>4:00 – 5:45 PM</b>  | R.A.C.E. Panel ( <i>Racism and Current Events</i> )   |
| <b>5:45 – 6:45 PM</b>  | Virtual Poster Session #3 ( <i>abstracts will be on virtual platform</i> )  |



# National Weather Association 2020 Annual Meeting Agenda

## Thursday, September 17 ALL TIMES IN EDT

<b>9:00 AM</b>	Virtual Exhibit Hall Opens
<b>10:00 – 10:45 AM</b>	FACETs Panel
<b>10:45 – 11:00 AM</b>	Networking Break & Virtual Exhibits
<b>11:00 AM – 12:00 PM</b>	Keynote with Dr. Desiree Hill, UCO
<b>12:00 – 12:30 PM</b>	Wellness Break/Lunch
<b>12:15 – 12:30 PM</b>	Student Map Briefing
<b>12:30 – 1:15 PM</b>	Invited Talk with Dr. Louis Uccellini, NOAA/NWS
<b>1:15 – 1:30 PM</b>	Networking Break & Virtual Exhibits
<b>1:30 – 3:00 PM</b>	<b>General Session: Severe 1*</b>
*1:30 – 1:45 PM	<i>Tornado Warning Improvement for Supercells: Tools Using ZDR/KDP Separation and Size Sorting Signals</i> with Michael Jurewicz
*1:45 – 2:00 PM	<i>Microscale Vortices: When is it a Tornado?</i> with Vivek Mahale
*2:00 – 2:15 PM	<i>WSR-88D Sidelobe Contamination: From the Obvious to the Dubious to Hiding in Plain Sight</i> with Jami Boettcher
*2:15 – 2:30 PM	<i>Leveraging the HREF to Add Probabilistic Severe Timing Information to SPC Outlooks</i> with Israel Jirak
*2:30 – 2:45 PM	<i>Evolving Emphasis/Role of MCDs Following Watch Issuance: Targeting Mesoscale Corridors of Interest</i> with Bryan Smith
*2:45 – 3:00 PM	<i>The Storm Prediction Center Spanish Language Initiative</i> with Joseph Trujillo



# National Weather Association 2020 Annual Meeting Agenda

## Thursday, September 17 (continued) ALL TIMES IN EDT

<b>3:00 – 3:15 PM</b>	Networking Break & Virtual Exhibits
<b>3:15 – 4:45 PM</b>	<b>General Session: Severe 2*</b>
*3:15 – 3:30 PM	<i>Final Phase of the Hazard Simplification Project</i> with Danielle Nagele
*3:30 – 3:45 PM	<i>National Weather Service Field Testing of the Flash Flood Severity Index (FFSI)</i> with Amanda Schroeder
*3:45 – 4:00 PM	<i>Assessment of NWS/WFO Baltimore/Washington Experimental Days 3-7 Winter Storm Threat Product</i> with David Topping
*4:00 – 4:15 PM	<i>Challenges in Communicating High Impact Mesoscale Snow Bands</i> with Kelly Butler
*4:15 – 4:25 PM	<i>Evaluating the Utility and Response to Uncertainty-Driven and Probabilistic Winter Weather Messaging</i> with Jacob Morse
*4:25 – 4:35 PM	<i>No Longer an Island: Providing Collaborative Messaging and Support for High-Impact Weather</i> with Chauncy Schultz
*4:35 – 4:45 PM	<i>Messaging Challenges and Best Practices During Rare Inland Post-Tropical High Wind Events</i> with Derrick Snyder
<b>4:45 PM</b>	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**