



National Weather Association 2020 Annual Meeting Agenda

Registered attendees: see detailed agenda in the app.

View our [Visual Agenda here](#).

This agenda will not be updated after 09/10/20.

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: <i>Future Horizons in Meteorology & Beyond</i> with Dr. Louis Uccellini, NOAA/NWS |
| 1:15 - 1:30 PM | Break |
| 1:30 - 2:15 PM | Panel: <i>Adapting on the Fly: Quickly Adjusting to Virtual Work & Study Environments</i> with Trisha Palmer, Marshall Moss, and Dr. Alex DeCaria (Moderators: Dan Gallagher and John Banghoff) |
| 2:15 - 2:45 PM | <i>The Economic Benefits of Weather Forecasting</i> with Dr. Jeff Lazo |
| 2:45 - 3:00 PM | Break |
| 3:00 - 3:30 PM | <i>Hazardous Weather Communication During Quarantine</i> with Jason Frazer, WKYC |
| 3:30 - 3:45 PM | Break |
| 3:45 - 4:15 PM | <i>Artificial Intelligence at the Warning Desk</i> 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 (<i>Academia, EMA, Grad Students, Non-Operational Government, NWS, NWS HQ, Private Sector, TV</i>) |
| 6:20 - 7:00 PM | Speed Mentoring Free-for-All |



National Weather Association 2020 Annual Meeting Agenda

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* with James Aydelott, Bryan Busby, Brad Panovich, Laura Mock, and Ryan Vaughan
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- 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.*
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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
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- 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

9:00 AM	Virtual Exhibit Hall Opens
10:00 – 10:45 AM	COVID-19 Panel: <i>COVID-19 & the Weather Enterprise: How Did We Get Here and How Do We Move Forward Together?</i> 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, Acting Administrator, NOAA
1:15 – 1:30 PM	Networking Break & Virtual Exhibits
1:30 – 3:00 PM	General Session: Satellite*
*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

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



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 – 12:45 PM	<i>Turning off the NAM, SREF, and HRRR? Plans For Retiring Operational NCEP Models</i> with Geoffrey Manikin
*12:45 – 1:00 PM	<i>Convection-Allowing Model Guidance for the 2 - 3 March 2020 Central Tennessee Tornado Outbreak</i> with Logan Dawson
*1:00 – 1:15 PM	<i>Linking Ensemble Data to Users: Snow Probability Tool Provides Unique Insight of Forecast Confidence</i> with Daniel DePodwin
*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*

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

- *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 & Jenny Colavito
- *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 with Dr. Kodi Berry, Dr. Greg Carbin, Greg Fishel, and Nicole Kurkowski (Moderators: Dr. Gina Eosco, Dr. Castle Williams)
- 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



National Weather Association 2020 Annual Meeting Agenda

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	<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
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**