

# Climate Variability and Change Working Group Session Agenda

CESM Workshop, Wednesday, June 17, 2020 (virtual session)

CVCWG co-chairs: Gerald Meehl, Isla Simpson, Shang-Ping Xie, and Peter Gleckler

The session will consist of 15 minute time slots for oral virtual presentations

**IMPORTANT NOTICE FOR SPEAKERS:** *The time slot for each short talk is 15 minutes, and please plan on speaking for NO MORE THAN 13 MINUTES to allow a quick question and transition to the next speaker. To keep the session moving, we will enforce these time limits.*

**Wednesday, June 17, 2020**

*All times Mountain Daylight Time*

**1:00PM**

Session chair: Gerald Meehl

**1:00pm: Antonietta Capotondi**

University of Colorado CIRES and NOAA Physical Sciences Laboratory  
*EL Nino Southern Oscillation (ENSO) in the NCAR Community Earth System Model version 2*

**1:15pm: John Fasullo** NCAR

*Evaluation of Leading Modes of Climate Variability in the CMIP Archives*

**1:30pm: Yu-Chiao Liang** Woods Hole Oceanographic Institution

*The Impact of the Observed Arctic Sea-ice Variability on the Cold Season Atmospheric Circulation in Large-ensemble AGCM Experiments*

**1:45pm: Minghong Zhang** Bedford Institute of Oceanography

*Impacts of Arctic climate change on synoptic cyclones*

**2:00pm: Aixue Hu** NCAR

*Role of AMOC in transient climate response to greenhouse gas forcing in two coupled models*

**2:15pm: Shineng Hu** Lamont-Doherty Earth Observatory of Columbia University

*Indian Ocean warming as a driver of the North Atlantic warming hole: atmospheric versus oceanic mechanisms*

**2:30 – 2:45PM BREAK**

Session Chair: Isla Simpson

**2:45pm: Danielle Touma** University of California Santa Barbara  
*Competing anthropogenic effects cause distinct regional impacts on extreme wildfire risk*

**3:00pm: Haruki Hirasawa** University of Toronto  
*Regional drivers of the response of Sahel precipitation to anthropogenic aerosols*

**3:15pm: James Hurrell** Colorado State University  
*The North Atlantic Climate Response to Stratospheric Sulfate Geoengineering*

**3:30pm: Paul Kushner** University of Toronto  
*Pushing the Limits of Pattern Scaling to Separate Tropical and Polar Climate Change Signals*

**3:45pm: Who Kim** NCAR  
*Was the Great Salinity Anomaly of the 1970s induced by an extreme Fram Strait Sea-Ice Export?*

**4:00pm: Wenyu Zhou** Lawrence Berkeley National Laboratory  
*Amplified Madden-Julian oscillation impacts in California due to eastward-extended teleconnection pattern*

**4:15pm: Dongxia Yang** Monash University  
*Role of tropical variability in driving decadal shifts in the SH summertime eddy-driven jet*

**4:30PM ADJOURN**