

Ocean Salinity Conference 2021
9-12 November 2021
(ending around noon of 12 November)
Columbia University, New York City, New York, USA

The conference planning committee is closely monitoring, in alignment with US federal, state and local guidance and the US Centers for Disease Control and Prevention (CDC) guidance related to the Coronavirus (COVID-19). We continue to plan for the Ocean Salinity Conference 2021 as an in-person event as a virtual participation option. If there are any changes to plans and/or a postponement for the conference, we will give immediate notice.

Ocean salinity is a critical variable that drives ocean circulation, influences marine biogeochemistry, and regulates air-sea interaction. It is also an important parameter for studying the changing water and carbon cycles as well as the cryosphere of the Earth. Significant advancements have been made in recent years in the development of an ocean salinity observing system both through in-situ and satellite technologies. The resultant ocean salinity measurements have broadened and deepened the knowledge of ocean salinity's role in ocean dynamics and its linkages with the water cycle and climate.

The conference aims to foster scientific exchanges and collaborations in the broad community involved in ocean salinity science, applications, technology development, product services, and community building. This conference (postponed from November 2020 and then from June 2021) is part of a series of international salinity community meetings (Brest, France - 2013, Exeter, UK - 2014, Hamburg, Germany - 2015, Falmouth/MA, USA - 2017, and Paris, France - 2018). The conference presentations and discussion will review recent progress, identify knowledge and capability gaps, and chart the way forward to sustain and enhance the ocean salinity observing system as well as to maximize the value of the resulting measurements.

The main topics of the conference include:

1. Salinity variability and the underlying physical processes
2. Salinity's roles in ocean circulation, weather, and climate
3. Linkages with the water cycle (including land-sea linkage)
4. Salinity observing system (both in-situ and satellite)
5. Evaluation and improvement of satellite salinity measurement
6. Constraining models and improving forecasts
7. Biogeochemical applications

Format:

Oral and poster sessions are planned for those who wish to participate in person. The conference will also provide a virtual participation option for those unable to participate in person. Breakout discussions are also planned for the topics of Satellite and In Situ Salinity (SISS) Working Group, NASA Arctic salinity field campaign, and future satellite salinity missions.

Scientific organizing committee:

Tong Lee, NASA JPL, USA
Aida Alvera Azcarate, University of Liège, Belgium
Eric Bayler, NOAA, USA
Frederick Bingham, University of North Carolina Wilmington, USA
Jacqueline Boutin, Sorbonne University, France
Kyla Drushka, University of Washington, USA
Paul Durack, Lawrence Livermore National Lab, USA
Arnold Gordon, Columbia University, USA (**Local Host**)
Eric Hackert, NASA GSFC, USA
Simon Josey, National Oceanography Centre, UK
Matthew Martin, UK Met Office, UK
Elisabeth Remy, Mercator-Ocean, France
Nicolas Reul, IFREMER, France
Gilles Reverdin, Sorbonne University, France
Roberto Sabia, Telespazio-Vega/ESA, EU
Klaus Scipal, ESA, EU
Julian Schanze, Earth and Space Research, USA
Antonio Turiel, Institute of Marine Sciences, Spain
Nadya Vinogradova Shiffer, NASA HQ, USA

Sponsor organizations:

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Other info:

Conference website:
<https://cpaess.ucar.edu/meetings/ocean-salinity-conference-2021>

Abstract submission portal will be available from the conference website soon (to be announced). Registration fee to be announced.

Envisioned timelines:

- Abstract submission deadline: 30 June
- Abstract acceptance notification to authors: 9 July
- Presentation schedule notification to authors: 30 July