

Solicited speakers for the 2021 Ocean Salinity Conference

(The titles of presentations are tentative;

the order of themes below is not necessarily the order in the final conference program)

Overview invited talks:

- Nadya Vinogradova (NASA HQ): Overview of NASA OSST activities
- Roberto Sabia (ESA): Overview of ESA salinity science/technology

Invited talks for various conference themes:

1. Salinity's roles in ocean circulation, weather, and climate

- Arnold Gordon (Columbia University): Changing surface layer salinity in space and time, and where it matters most
- Janet Sprintall (Scripps Institution of Oceanography): Barrier layer, ENSO, and TPOS2020

2. Salinity variability and the underlying physical processes

- Jerome Vialard (Sorbonne University): Indian Ocean salinity variability and processes
- Léon Chafik (University of Stockholm, transitioning to National Oceanographic Centre): Ocean circulation causes the largest freshening event for 120 years in eastern subpolar North Atlantic
- Detlef Stammer (University of Hamburg): How well do we know ocean salinity and its changes?
- Kyla Drushka (University of Washington): Arctic salinity processes and field campaign

3. Linkages with the water cycle (including land-sea linkage)

- Lisan Yu (Woods Hole Oceanographic Institution): Water cycle intensification and ocean salinity evidence
- Ray Schmitt (Woods Hole Oceanographic Institution): Ocean salinity and terrestrial rainfall
- Severine Fournier (Jet Propulsion Lab): Salinity and river plume variability
- Jan Zika (University of New South Wales): Estimating water cycle changes using ocean salinity

4. Salinity observing system (both in-situ and satellite)

- Susan Wijffels (Woods Hole Oceanographic Institution): Argo and other in-situ salinity observing systems
- Shannon Brown (Jet Propulsion Lab): Future satellite salinity mission concepts

5. Evaluation and improvement of satellite salinity measurement

- Nicolas Reul (IFREMER): Multi-mission satellite salinity evaluation and exploitation platform
- Jacqueline Boutin (Sorbonne University): SMOS & CCI SSS

6. Constraining models and improving forecasts

- Eric Baylor (NOAA): NOAA operational utilities of SSS
- Eric Hackert (Goddard Space Flight Center): salinity and ENSO prediction

7. Biogeochemical applications

- Jamie Shutler (University of Exeter): Biogeochemical applications of SSS