

12. October 2015

08:00 – 09:00	Registration
09:00 – 10:30	<b>Opening Keynote</b> „Salinity is the key to the global water cycle“ Ray Schmitt (WHOI)
10:30 – 11:00	Coffee Break
11:00 – 11:20	<b>Keynote</b> „The Fingerprint of Salty-Water Cycle Variability and Change“ Paul Durack (LLNL)
11:20 – 11:35	<b>Talk</b> „Is surface salinity a good marker to track intensification of hydrological cycle in the last two decades?“ Nadya Vinogradova (AER)
11:35 – 11:50	<b>Talk</b> „Inferring global water cycle amplification from changes in the volumetric distribution of salinity“ Nikolaos Skliris (NOC)
11:50 – 12:05	<b>Talk</b> „Linking oceanic and terrestrial water cycle through monsoon“ W. Timothy Liu (JPL)
12:05 – 12:25	<b>Keynote</b> „Deriving freshwater fluxes from near-surface salinity changes: a case study in the tropical Pacific“ Thierry Delcroix (IRD/LEGOS)
12:30 – 14:00	Lunch Break
14:00 – 14:20	<b>Keynote</b> „Ocean salinity observations“ Gilles Reverdin (LOCEAN)
14:20 – 14:35	<b>Talk</b> „Small-scale surface salinity variability from thermosalinograph data“ Kyla Drushka (University of Washington)
14:35 – 14:50	<b>Talk</b> „On the geophysical consistency of Sea Surface Salinity products“ Nina Hoareau (CSIC)
14:50 – 15:05	<b>Talk</b> „Sea Surface Salinity budget in the North Atlantic subtropical gyre during the Strasse/SPURS experiment and from the SMOS salinity mission“ Anna Sommer (LOCEAN)
15:05 – 15:25	<b>Keynote</b> „A high resolution 20 year long salinity data set in the upper 700m, subpolar North Atlantic“ Monika Rhein (IUP-MARUM)
15:30 – 16:00	Coffee Break
16:00 – 17:30	<b>Poster Session 1</b> „Salinity and the Water Cycle“ <b>and 2</b> „Salinity Observations“
18:30 – 21:00	Reception at Bundesstr. 53



## 13. October 2015

09:00 – 09:20	<b>Keynote</b> „Salinity Remote Sensing; Preliminary studies of multi-year ocean salinity trends with Aquarius and SMOS data“ Gary Lagerloef (ESR)
09:20 – 09:35	<b>Talk</b> „Synergistic use of SMOS satellite salinity with multiple EO data to characterize the Eastern Pacific Fresh Pool dynamics during 2010-2014“ Sébastien Guimbard (Ifremer)
09:35 – 09:50	<b>Talk</b> „Ocean Surface Salinity from SMAP: Continuing the Legacy of Aquarius“ Thomas Meissner (Remote Sensing Systems)
09:50 – 10:05	<b>Talk</b> „Surface salinity variability in the Tropical/Subtropical Atlantic from SMOS and Aquarius missions and its relation to freshwater fluxes“ Eleni Tzortzi (NOC)
10:05 – 10:25	<b>Keynote</b> „An overview of new insights from satellite salinity missions for oceanography“ Nicolas Reul (Ifremer)
10:30 – 11:00	Coffee Break
11:00 – 12:30	<b>Poster Session 3</b> „Salinity Remote Sensing“
12:30 – 14:00	Lunch Break
14:00 – 14:20	<b>Keynote</b> „Modeling the ocean salinity: some lessons learned and future challenges“ Camille Lique (Laboratoire de Physique des Océans)
14:20 – 14:35	<b>Talk</b> „Estimates of the Salinity Variance Budget of the Global Ocean“ Frank Bryan (NCAR)
14:35 – 14:50	<b>Talk</b> „On the seasonal variations of salinity of the tropical Atlantic mixed layer“ Ibrahima Camara (LPAOSF, ESP, UCAD, LOCEAN)
14:50 – 15:05	<b>Talk</b> „Assessment of the salinity budget in the Indian Ocean“ Julia Köhler (CEN)
15:05 – 15:25	<b>Keynote</b> „A Pilot Surface Salinity Assimilation Experiment“ Detlef Stammer (CEN)
15:30 – 16:00	Coffee Break
16:00 – 17:30	<b>Poster Session 4</b> „Modelling and Assimilation of Salinity“



## 14. October 2015

09:00 – 09:20	<b>Keynote</b> „Influence of Salinity on Pacific and Atlantic Tropical Instability Waves and Indian Ocean Sea Level Changes“ Tong Lee (JPL)
09:20 – 09:35	<b>Talk</b> „Indian Ocean salinity fronts observed by SMOS & Aquarius“ Subrahmanyam Bulusu (University of South Carolina)
09:35 – 09:55	<b>Keynote</b> „Improving the Representation of Riverine Freshwater Inputs in Climate Models“ Michael Whitney (University of Connecticut)
09:55 – 10:10	<b>Talk</b> „Southeast Asian Seas: surface layer salinity and interocean exchange“ Arnold Gordon (Columbia University)
10:10 – 10:30	<b>Keynote</b> „The impact of salinity for the ocean circulation at high latitudes“ Torsten Kanzow (AWI)
10:30 – 10:45	<b>Talk</b> „Freshwater around Scotland’s coast – temporal and spatial variability and a sea loch case study“ Berit Rabe (Marine Scotland Science)
10:45 – 11:00	Coffee Break
11:00 – 12:30	<b>Poster Session 5</b> „Role of Salinity in Ocean Dynamics“
12:30 – 14:00	Lunch Break
14:00 – 14:20	<b>Keynote</b> „On the impact of salinity variability on high latitude oceans mixed layer variability“ Johannes Karstensen (GEOMAR)
14:20 – 14:35	<b>Talk</b> „Mixed layer variability and subduction in the SPURS-1 area“ Jessica Anderson (University of Washington)
14:35 – 14:55	<b>Keynote</b> „Vertical stratification of the upper ocean: documenting the specific role of the salinity in the Tropics“ Christophe Maes (IRD/DER/LPO)
14:55 – 15:10	<b>Talk</b> „Observed surface thermohaline variability at mesoscale to submesoscale in the Coral Sea, southwest Pacific Ocean“ Louise Rousselet (Aix Marseille Université)
15:10 – 15:30	<b>Keynote</b> „Observations of rainfall in the ocean surface boundary layer with ASIP“ Brian Ward (National University of Ireland)
15:30 – 15:45	<b>Talk</b> „Arctic Ocean upper layer: the balance of atmospheric freshwater fluxes, ocean heat transport and sea ice“ Bert Rudels (Finnish Meteorological Institute)
15:45 – 16:00	Coffee Break
16:00 – 17:30	<b>Poster Session 6</b> „Salinity, Mixed Layer Dynamics and Ocean Mixing“
18:30 – 21:00	Conference Dinner at Restaurant Okzident



## 15. October 2015

09:00 – 09:20	<b>Keynote</b> „On the use of SMOS sea surface salinity for constraining air-sea CO2 fluxes“ Jacqueline Boutin (LOCEAN)
09:20 – 09:35	<b>Talk</b> „Monitoring the biophysical properties along Lagrangian advection pathways in the Amazon River plume“ Séverine Fournier (JPL)
09:35 – 09:50	<b>Talk</b> „The oceanic influence on moisture supply for India Monsoon as observed by multiple satellite missions“ Wenqing Tang (JPL)
09:50 – 10:05	<b>Talk</b> „Estimating the global oceanic net freshwater flux from Argo data and comparing it with satellite-based freshwater flux products“ Li Ren (University of Maryland)
10:05 – 10:25	<b>Keynote</b> „Observing atmospheric control variables of ocean salinity“ Stephan Bakan (MPI-M)
10:30 – 11:00	Coffee Break
11:00 – 12:30	<b>Poster Session 7</b> „Air-Sea Exchange and Oceans Biogeochemistry“
12:30 – 14:00	Lunch Break
14:00 – 15:30	<b>Closing Keynote</b> „Salinity: what it was, what it is, and what it might become“ Trevor McDougall (University of New South Wales)
15:30	End of Conference

