

## **Session Program**

**18-20 Jul 2023**



### **Meeting AMOC Observation Needs in a Changing Climate**

### **Value of AMOC Observing / Observational Priorities**

UHH; Institute of Oceanography, Room 022/023  
Bundesstr. 53 20146 Hamburg

## Tuesday 18 July

09:00

### Value of AMOC Observing / Observational Priorities: Oral session #1

**Session** | **Location:** UHH; Institute of Oceanography, Room 022/023, Bundesstr. 53 20146 Hamburg

09:00–09:15

#### Social and economic impacts of changes in the Atlantic Meridional Overturning Circulation

**Speaker**

N.Penny Holliday

09:15–09:30

#### AMOC exchanges in the Iceland-Scotland Ridge region

**Speaker**

Karin Margretha Larsen

09:30–09:45

#### Eight years of continuous Rockall Trough transport observations from moorings and gliders

**Speaker**

Kristin Burmeister

09:45–10:00

#### Overturning in the Nordic Seas

**Speaker**

Dr Stefanie Semper

10:00–10:15

#### Validating and Testing Methods of Measuring Geostrophic Ocean Transports

**Speaker**

Dr Matthias Lankhorst

10:15–10:30

#### Multi-decadal Records of the South Atlantic Meridional Overturning and Heat Transport Derived from in-situ and Satellite Observations and Recent Applications

**Speaker**

Shenfu Dong

10:30

11:15

### Value of AMOC Observing / Observational Priorities: Oral session #2

**Session** | **Location:** UHH; Institute of Oceanography, Room 022/023, Bundesstr. 53 20146 Hamburg

11:15–11:30

#### Overturning, Freshwater and Carbon Sequestration in the Subpolar North Atlantic

**Speaker**

Fiamma Straneo

11:30–11:45

#### Sustaining Subpolar North Atlantic Basin-Wide Observations of the Strength and Structure of the Atlantic Meridional Overturning Circulation (OSNAPi)

**Speaker**

Kristin Burmeister

11:45–12:00

**South Atlantic Meridional Overturning Circulation in the LENS2 Simulations****Speaker**

Maurício Rocha

12:00–12:15

**Overturning Pathways Control AMOC Weakening in CMIP6 Models****Speaker**

Jon Baker

12:15–12:30

**Enhancing AMOC Observing Strategies and Interpreting Observations through Process****Speaker**

Dr Jiayan Yang

12:45

14:00

**Value of AMOC Observing / Observational Priorities: Oral session #3****Session** | **Location:** UHH; Institute of Oceanography, Room 022/023, Bundesstr. 53 20146 Hamburg

14:00–14:15

**Understanding multidecadal AMOC variability and associated impacts****Speaker**

Rong Zhang

14:15–14:30

**Weakening of the Atlantic Meridional Overturning Circulation Abyssal Limb in the North Atlantic****Speaker**

Tiago Bilo

14:30

16:15

**Value of AMOC Observing / Observational Priorities: Oral session #4****Session** | **Location:** UHH; Institute of Oceanography, Room 022/023, Bundesstr. 53 20146 Hamburg

16:15–16:30

**The Atlantic meridional overturning circulation at 35N from deep moorings, floats, and satellite altimeter****Speaker**

Isabela Le Bras

16:30–16:45

**Energetic overturning flows, dynamic interocean exchanges, and ocean warming observed in the South Atlantic****Speaker**

Dr María Paz Chidichimo

16:45–17:00

**Enhanced array for AMOC observation in the South Atlantic****Speaker**

Olga Sato

17:15