

AWI Subtopic 2.1 Meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome & introduction

Friday 26 August 2022 09:25 (5 minutes)

Presenters: HAAS, Christian; MOLLENHAUER, Gesine

Contribution ID: 2

Type: **not specified**

The new International Bathymetric Chart of the Southern Ocean (IBCSO v2)

Friday 26 August 2022 09:30 (15 minutes)

Presenter: DORSCHHEL-HERR, Boris

Contribution ID: 3

Type: **not specified**

Modelling recent and future ocean carbon –climate interactions with FESOM-REcoM and AWI-ESM

Friday 26 August 2022 09:45 (15 minutes)

Presenter: HAUCK, Judith

Contribution ID: 4

Type: **not specified**

Ancient carbon utilization in the arctic ocean

Friday 26 August 2022 10:00 (15 minutes)

Presenter: RUBEN, Manuel

Contribution ID: 5

Type: **not specified**

Heat Uptake by Thawing Permafrost: Towards Permafrost–Climate Interactions in AWI-ESM

Friday 26 August 2022 10:15 (15 minutes)

Presenter: NITZBON, Jan

Contribution ID: 6

Type: **not specified**

Pliocene West Antarctic Ice Sheet Dynamics in the Amundsen Sea Sector: Results from IODP Expedition 379 Drill Records and Seismic Analysis

Friday 26 August 2022 10:30 (15 minutes)

Presenter: GILLE-PETZOLDT, Johanna

Contribution ID: 7

Type: **not specified**

Reconstruction of sea ice conditions along the continental margin of Antarctica since the LIG

Friday 26 August 2022 10:45 (15 minutes)

Presenter: KHOO, Wee Wei

Contribution ID: 8

Type: **not specified**

Asymmetry in Antarctic ice sheet cover during the early Oligocene glacial maximum

Friday 26 August 2022 12:30 (15 minutes)

Presenter: KLAGES, Johann P.

Contribution ID: 9

Type: **not specified**

Dynamics of the Pacific Antarctic Circumpolar Current since ~5 Ma

Friday 26 August 2022 12:45 (15 minutes)

Presenter: LAMY, Frank

Contribution ID: **10**

Type: **not specified**

Poleward drifting oceanic and atmospheric circulation under warming climate

Friday 26 August 2022 13:00 (15 minutes)

Presenter: YANG, Hu

Contribution ID: 11

Type: **not specified**

Avoiding tipping points: Lessons from Climate Modeling

Friday 26 August 2022 13:15 (15 minutes)

Presenter: LOHMANN, Gerrit

Contribution ID: 12

Type: **not specified**

MOSAiC overview talk, with focus on OCEAN physics

Friday 26 August 2022 13:30 (15 minutes)

Presenter: RABE, Benjamin

Contribution ID: 13

Type: **not specified**

Retrieval of porous sea ice properties from multifrequency electromagnetic measurements

Friday 26 August 2022 13:45 (15 minutes)

Presenters: NEUDERT, Mara; HAAS, Christian

Contribution ID: 14

Type: **not specified**

Sea salt correction for MOSAiC snow sampling of Black Carbon

Friday 26 August 2022 14:30 (15 minutes)

Presenter: JÖRSS, Anna-Marie

Contribution ID: 15

Type: **not specified**

Variability of atmospheric boundary layer profiles over sea ice and open ocean

Friday 26 August 2022 14:45 (15 minutes)

Presenter: MICHAELIS, Janosch (Alfred-Wegener-Institute Helmholtz Centre for Polar and Marine Research)

Contribution ID: **16**

Type: **not specified**

Synoptic events during MOSAiC and their Forecast Reliability in the Troposphere-Stratosphere System

Friday 26 August 2022 15:15 (15 minutes)

(online only)

Presenter: JAISER, Ralf

Contribution ID: 17

Type: **not specified**

Toward understanding future development of Arctic using FESOM2

Friday 26 August 2022 15:00 (15 minutes)

Presenter: LI, Xinyue

Contribution ID: **18**

Type: **not specified**

(Sub)MEscale DYnamics and Nutrients (SMEDYN)

Friday 26 August 2022 15:30 (15 minutes)

(online?)

Presenter: QUINTANILLA ZURITA, Alejandra

Contribution ID: **19**

Type: **not specified**

Final discussion and wrap up

Friday 26 August 2022 15:45 (15 minutes)

Presenters: MOLLENHAUER, Gesine; HAAS, Christian