

List of Topic 2 Talks

for Fridays Seminar at 11am (2020/21)

27. November 2020 (# 187): Mosaic: First results and questions, Christian Haas (AWI)

Chair: Gerrit Lohmann (AWI)

29. January 2021 (# 120): Ocean modelling at GEOMAR and AWI, Arne Biastoch (GEOMAR) and Sergey Danilov (AWI)

Chair: Maik Thomas (GFZ)

26 February 2021 (# 114): Solid Earth and Ice Sheets

1. The solid earth in the earth system, Volker Klemann (GFZ)

2. Evaluating ice sheet history for the past 80,000 years - are marine oxygen isotopes a reliable indicator of sea level? Evan Gowan (AWI)

Chair: Arne Biastoch (GEOMAR)

26 March 2021 (# 122): Observing the Atlantic Ocean Circulation from pole-to-pole: GEOMAR and AWI perspectives, Torsten Kanzow (AWI) and Peter Brandt (GEOMAR)

Chair: Gerrit Lohmann (AWI)

07 May 2021 (# 106, postponed due to EGU in April): Observing Mass Change in System Earth with current and future Gravity Field Missions, Frank Flechtner (GFZ) and Ingo Sasgen (AWI)

Chair: Maik Thomas (GFZ)

28 May 2021 (# 51): The international GEOTRACES programme: Reliable trace element distributions in a changing ocean for reconstructing the past (part I) and for discovering future trends (part II), Walter Geibert (AWI) and Martin Frank (GEOMAR)

Chair: Arne Biastoch (GEOMAR)

25 June 2021 (# 100): Abrupt climate change

1. Abrupt Climate and Weather Changes Across Time Scales, Gerrit Lohmann (AWI)

2. Decadal Atlantic Meridional Overturning Circulation (AMOC) slowing events in a climate model, Mojib Latif (GEOMAR)

Chair: Maik Thomas (GFZ)

July & August 2021: Summer break - no seminars!

24 September 2021 (# 86): Digital Twins, Thomas Jung (AWI) and Martin Visbeck (GEOMAR)

Chair: Arne Biastoch (GEOMAR)

29 October 2021 (# 108): Artificial Intelligence for Earth System Sciences

1. AI & Earth System Models - Hybrid AI- and physical based simulation models for improving process understanding, Christopher Irrgang (GFZ)

2. AI & Data Analysis and Prediction for Marine Big Data, Willi Rath (GEOMAR)

3. AI Enablement - Cross-compartment data analytics for the AWIPEV observatory - a use case for Enabling AI, Stephan Frickenhaus (AWI)

Chair: Maik Thomas (GFZ)

26 November 2021

no seminar