



International Research Training Group
“Processes and impacts of climate change in the
North Atlantic Ocean and the Canadian Arctic”

VII. Annual Meeting

26 – 30 October 2020

Videoconference: 14-18 pm UTC



<https://www.worldtimebuddy.com/>



MARUM, University of Bremen

VII. Annual Meeting of ArcTrain

Program at a Glance

Zoom link to the main session as well as links to the poster sessions will be provided to registered participants in due time. Also provided will be access to the digital versions of all posters.

To participate in the meeting, you must register:

<https://www.marum.de/en/education-career/ArcTrain-2/Page10337.html>

Registration for non-presenting participants is open until 23.10.2020

Invited talks, student presentations and poster sessions are open to the public.

Breaks will take place after the invited talks (5 minutes), after the student presentations (10 minutes) and after the poster sessions (10 minutes)

UTC Time	14 - 15	15 - 16	16 - 18	18.15 +
Mon 26.10.		Opening: Michal Kucera Benjamin Rabe (AWI, Bremerhaven) <i>MOSAIC: a year in the Arctic ice and ocean</i> Moderation: Kevin Wiegand	6 Presentations Moderation: Lina Mada Three parallel poster sessions	Social event – Shuffling around bingo Moderation: Kevin and Jennifer
Tue 27.10.	Meeting of German PIs only	Martin Jakobsson (Stockholm University) <i>Arctic glacial history</i> Moderation: Jade Falardeau	7 Presentations Moderation: Amélie Desmarais Three parallel poster sessions	Fireside chat for students with alumni Moderation: Georg Völker
Wed 28.10.	AB private meeting	Advisory Board meeting with speakers and student representatives	7 Presentations Moderation: Damien Ringeisen Three parallel poster sessions AB private meeting	AB meeting with PhD students
Thu 29.10.		Georgi Laukert (GEOMAR, Kiel) <i>Isotopic tracers of ocean circulation and biogeochemical processes in the Arctic Ocean</i> Moderation: Jennifer Wesselbaum	7 Presentations Moderation: Marie-Michèle Ouellet-Bernier Three parallel poster sessions	Social event – Quizz Moderation: Jade
Fri 30.10.		Lourdenie Jean (Montreal) <i>L'environnement c'est intersectionnel!</i> Moderation: Charles Brunette	General meeting Advisory Board Feedback	ArcTrain Student meeting Moderation: Jade

VII. Annual Meeting of ArcTrain

Information for presenters

Invited talks: will be presented by screen sharing from the computer of the presenters. All meeting participants are asked to mute their microphones during the presentations. Following the presentations, there will be time for discussion. Those wishing to ask questions should do so by writing in the chat and wait to be called by the moderator.

Student presentations: To introduce their research and draw attention to their posters, those ArcTrain early career researchers presenting their work are asked to prepare a short pitch talk explaining the aims of their project and highlighting the main results. The pitch talk should contain a maximum of three slides and take no more than 3 minutes. There will then be the opportunity to ask one or two questions. The pitch talks will be presented by screen sharing from the computer of the presenters. The slides should be in a format that makes it possible to show them on the screen.

Posters: should be conceived and formatted as regular posters with A0 (portrait) format, suitable to be printed, as a training for future „real“ meetings. All presenters are asked to provide a digital version of their posters before the meeting (by Email to mkucera@marum.de). These files should be kept as small as possible (<10 MB). They will be made available to all meeting participants. During the poster session, the presenters will show the posters (when applicable in a higher resolution format) via screen sharing, allowing them to zoom on any diagrams or parts of the posters as required by the discussion.

Poster sessions: following the invited talks, a 10-minute break will be used for the meeting participants and presenters to distribute among the three parallel poster sessions. For this, the participants will leave the main zoom session and individually join one of the three separate zoom poster sessions. During these sessions, the posters will be presented in groups as indicated in the detailed program. The presenters will moderate the session in the order indicated in the detailed program, calling for questions, which can be directed to any poster at any time.

Switching between poster sessions: the participants are free to leave the poster sessions at any time and join any other poster session or the main zoom session. The poster sessions will be closed at 18 UTC and those participants wishing to take part in the social activities are then asked to return to the main zoom session.

Social events: are open ended, but it is expected that they will not last more than 2 hours. They take place in the main zoom session (with break-out rooms where appropriate).

Advisory board: a dedicated breakout room will be made available within the main zoom session for private meetings of the advisory board.

VII. Annual Meeting of ArcTrain

Student Presentations and Poster sessions

Meeting day	Poster session	Surname	Name	University/ Institution	Title of presentation
Monday	1	Crow	Brian	University of Bremen	An Initial Look at MIS-11 from a High-Resolution Modelling Perspective
26	2	Thielke	Linda	University of Bremen	Temporal evolution of Arctic sea ice surface temperature and thin ice types from airborne thermal infrared imaging during the winter 2019/2020 MOSAiC expedition
	3	Audet	Tiffany	Université du Québec a Montreal	Recent evolution of hypoxia along the Laurentian Channel from biogenic content of sediment
	1	Hingst	Johanna	University of Bremen	Holocene changes in meltwater discharge and ice sheet dynamics traced by radiogenic isotopes on marine sediments from western Baffin Bay
	2	Wett	Simon	University of Bremen	The AMOC at 47°N in Observations and a High Resolution Ocean Model
	3	You	Defang	Alfred Wegener Institute	Late Quaternary Changes in Sea Ice Cover, Meltwater Discharge and Primary Productivity in Eastern Labrador Sea
Tuesday	1	Geng	Marilena	Memorial University of Newfoundland	Efficient selection of parameter vectors for fully coupled ice-climate modelling of glacial cycles
27	1	Koerner	Kelsey	Université du Québec à Rimouski	Evolution of sea-surface conditions and primary productivity during the last 2000 years of climatic variability in northern Baffin Bay
	2	Lavoie	Juliette	McGill University	Sea ice mass balance, vertical ocean heat flux & surface ocean stratification in the Community Earth System Model - Large Ensemble
	3	Damien	Ringeisen	Alfred Wegener Institute	Breaking The Ice: Fracture angles in sea ice simulations with viscous-plastic rheologies
	3	von Albedyll	Luisa	Alfred Wegener Institute	The trouble maker - sea ice deformation during MOSAiC
	2	Wiegand	Kevin	University of Bremen	Exchange of water mass properties between the Greenland shelf and the surrounding subpolar North Atlantic
	2	Malles	Jan-Hendrik	University of Bremen	Modeling glacier-ocean interactions in the Canadian Arctic
Wednesday	1	Bukar	Shettima	University of Bremen	Elucidating the internal structure of Heinrich-event layers, south-eastern Grand Banks slope, Newfoundland
28	2	Niraula	Bimochan	Alfred Wegener Institute	Sea ice edge forecast using probabilistic damped anomaly persistence
	2	Trotechaud	Sandrine	McGill University	A seasonally ice-free Arctic: uncertainties associated with natural variability
	2	Liu	Yuqing	Alfred Wegener Institute	Numerical modeling on landfast ice in Arctic region
	3	Decuypere	Marine	McGill University	Impact of ocean heat transport on Arctic sea ice extent : the effect of varying horizontal resolution in a climate model suite
	1	Zarrinderakht	Maryam	University of British Columbia	Mathematical Modeling for Iceberg Calving
	3	Bracamontes Ramírez	Joel	University of Bremen	Effect of changes in sea-ice coverage and stratification on wind-driven internal waves
Thursday	1	Okuma	Emmanuel	University of Bremen	Impacts of ocean-ice interactions on the Holocene sedimentary system in northern Baffin Bay
29	1	Zumaque	Jena	Université du Québec a Montreal	The millennial-scale climatic variability in the North Atlantic Ocean over the last 43 000 years: the role of the subpolar gyre dynamics
	2	Tell	Franziska	University of Bremen	Carbonate fluxes and calcification depth of planktonic foraminifera in the Fram Strait
	2	Wu	Junjie	Alfred Wegener Institute	Deglacial carbon source from the high latitude lands
	3	Wesselbaum	Jennifer	University of Bremen	An Eulerian Iceberg Module for the MITgcm
	3	Brunette	Charles	McGill University	Improving sea ice motion tracking: a new parameterization for the free drift of sea ice
	2	Falardeau	Jade	Université du Québec a Montreal	Ostracod and benthic foraminifer assemblages in the rapidly changing nearshore areas of northern Yukon