

**RUSSIAN-GERMAN MASTER PROGRAM POLAR AND MARINE SCIENCES POMOR
DEFENCE OF THE MASTER THESES 2021**

Place:	Saint Petersburg State University Institute of Earth Sciences (33-35, 10 th liniya V.O., room 56, Phoenix; phone: +7 812 3239976)
Online platform:	Microsoft Teams
Date:	September 23-24, 2021
Time:	11:00 – 15:15 (Moscow) / 10:00 – 14:15 (Berlin)
Commission chairman:	Prof. Dr. Vladimir V. Ivanov, Lomonosov Moscow State University / Arctic and Antarctic Research Institute <i>@online</i>
Commission members:	Prof. Dr. Christian Beer, Hamburg University <i>@online</i> Prof. Dr. Bodo von Bodungen, Leibniz Institute for Baltic Sea Research Warnemuende <i>@online</i> Dr. Heidemarie Kassens, GEOMAR Helmholtz Centre for Ocean Research Kiel <i>@online</i> Dr. Tatiana V. Matveeva, All-Russian Research Institute of Geology and Mineral Resources of the World Ocean (FSUE "VNIIOkeangeologia named after I.S. Gramberg") Dr. Mikhail B. Sergeev, SOVCOMFLOT Dr. Ekaterina Ye. Taldenkova, Lomonosov Moscow State University <i>@online</i>
Secretary:	Aleksandra Shadrina, Saint Petersburg State University

September 23, 2021

Moscow time / Berlin time	Presentation
11:00 – 11:10 / 10:00 – 10:10	Opening by the chairman and commission members
11:10 – 11:30 / 10:10 – 10:30	Vadim Zinchenko <i>@online</i> Conditional Emulators for Parameter Tuning in Earth Science Simulations Supervisors: Prof. Dr. Tatyana Belonenko, Saint Petersburg State University Prof. Dr. Johanna Baehr, Hamburg University Dr. David Greenberg, Helmholtz Centre HEREON

Moscow time / Berlin time	Presentation
11:30 – 11:50 / 10:30 – 10:50	Anastasia Frolova Topographic effect for Rossby waves on a shear flow Supervisors: Prof. Dr. Tatyana Belonenko, Saint Petersburg State University Prof. Dr. Carsten Eden, Dr. Manita Chouksey, Hamburg University
11:50 – 12:10 / 10:50 – 11:10	Natalia Tebenkova Formation of the climatic signal of the isotopic composition of precipitation in Central Antarctica Supervisors: Dr. Alexey Ekaykin, Saint Petersburg State University Prof. Dr. Dirk Notz, Hamburg University Prof. Dr. Thomas Laepple, Alfred Wegener Institute Helmholtz Center for Polar and Marine Research
12:10 – 12:30 / 11:10 – 11:30	Arina Sashanova Comparative regional analysis on the achievement of the United Nations Sustainable Development Goals in the Arctic Zone of the Russian Federation, based on the methodology of the Voluntary Local Review Supervisors: Dr. Nikolay Bobylev, Saint Petersburg State University Prof. Dr. J. Otto Habeck, Hamburg University
12:30 – 12:50 / 11:30 – 11:50	Saeed Ebrahimnezhad Darzi @online Spatial distribution patterns of the functional traits of megabenthic communities on Eurasian-Arctic shelves Supervisors: Dr. Marina Varfolomeeva, Saint Petersburg State University Prof. Dr. Dieter Piepenburg, Alfred Wegener Institute Helmholtz Center for Polar and Marine Research
12:50 – 13:10 / 11:50 – 12:10	Aleksandra Krikunova Postglacial vegetation and climate history of the northern Lake Onega region inferred from palynological record of Razlomnoe peatbog Supervisors:

Moscow time / Berlin time	Presentation
	Dr. Larisa Savelieva, Saint Petersburg State University Professor Dr. Pavel E. Tarasov, Freie Universität Berlin
13:10 – 13:40 / 12:10 – 12:40	Break
13:40 – 14:00 / 12:40 – 13:00	Yulia Kazachkova @online Impact of urban green distribution on urban temperature Supervisors: Dr. Nikolay Bobylev, Saint Petersburg State University Dr. David Grawe, Hamburg University
14:00 – 14:20 / 13:00 – 13:20	Julia Kudryakova @online Development and prospects of Arctic tourism in the Murmansk region. Research sample: Teriberka village Supervisors: Prof.Dr. Konstantin Klokov, Saint Petersburg State University Prof. Dr. Eva-Maria Pfeiffer, Hamburg University
14:20 – 14:40 / 13:20 – 13:40	Anastasia Gavrilova @online Calculation of mean Sr isotope ratio for the modern Caspian and Azov seas based on their catchment basins Supervisors: Prof. Dr. Anton Kuznetsov, Saint Petersburg State University Prof. Dr. Eva-Maria Pfeiffer, Hamburg University
14:40 – 15:00 / 13:40 – 14:00	Wai Yin Cheung @online Surface and Bed Topography Mapping of Foxfonna & Rieperbreen Glacier, Svalbard, 1936-2020 Supervisors: Prof. Dr. Dmitriy Ganiushkin, Saint Petersburg State University Prof. Dr. Christian Haas, Alfred Wegener Institute Helmholtz Center for Polar and Marine Research
15:00 – 15:15 / 14:00 – 14:15	End of the session. Internal session of the examination commission
15:15 / 14:15	Announcement of the results

September 24, 2021**Moscow time / Berlin time****Presentation****11:00 – 11:10 / 10:00 – 10:10**

Opening by the chairman and commission members

11:10 – 11:30 / 10:10 – 10:30**Ekaterina Zotova**

Seasonal and annual variability of Svalbard's cloud cover

Supervisors:

Dr. Boris Ivanov, Saint Petersburg State University

Dr. Amelie Schmitt, Hamburg University

11:30 – 11:50 / 10:30 – 10:50**Anastasiia Ovchinnikova**

Developing a methodology for semi-automated geological interpretation of topographic data in the Clarion-Clipperton-Zone, Eastern Pacific

Supervisors:

Prof. Dr. Georgy Cherkashov, Saint Petersburg State University

Dr. Sven Petersen, GEOMAR Helmholtz Centre for Ocean Research Kiel

11:50 – 12:10 / 10:50 – 11:10**Alena Sakovich**

Spatial Distribution of Microplastics and Zooplankton in the Canary Current Upwelling System

Supervisors:

Dr. Irina Fedorova, Saint Petersburg State University

Dr. Werner Ekau, Dr. Tim Dudeck, Leibniz Centre for Tropical Marine Research

12:10 – 12:30 / 11:10 – 11:30**Anastasia Pashovkina**

CDOM as an important component in the arctic freshwater ecosystems – a case study for the Kola Peninsula water objects

Supervisors:

Dr. Irina Fedorova, Saint Petersburg State University

Prof. Dr. Anja Engel, GEOMAR Helmholtz Centre for Ocean Research Kiel

12:30 – 12:50 / 11:30 – 11:50**Kseniia Saikovich @online**

Analysis of Remotely Sensed Shoreline Dynamics in the Lena River Delta, NE Siberia

Supervisors:

Moscow time / Berlin time	Presentation
	<p>Prof. Dr. Georgy Cherkashov, Saint Petersburg State University</p> <p>Prof. Dr. Guido Grosse, Alfred Wegener Institute Helmholtz Center for Polar and Marine Research</p>
12:50 – 13:10 / 11:50 – 12:10	<p>Liubov Krainova</p> <p>Metagenomic exploration of estuarine microorganisms with focus on PET-degrading enzymes</p> <p>Supervisors: Dr. Mikhail Raiko, Saint Petersburg State University Prof. Dr. Wolfgang Streit, Hamburg University</p>
13:10 – 13:40 / 12:10 – 12:40	Break
13:40 – 14:00 / 12:40 – 13:00	<p>Polina Tselykh @online</p> <p>Glacial/interglacial variability in transport and origin of detrital sediments of the Rio Grande Rise (Southwest Atlantic Ocean)</p> <p>Supervisors: Prof. Dr. Vladislav Kuznetsov, Saint Petersburg State University Prof. Dr. Martin Frank, GEOMAR Helmholtz Centre for Ocean Research Kiel</p>
14:00 – 14:20 / 13:00 – 13:20	<p>Laili Tilvaldyeva</p> <p>Genetic connectivity of the widespread hydrozoan <i>Aglantha digitale</i> from sub-arctic to central arctic regions</p> <p>Supervisors: Prof. Dr. Georgy Cherkashov, Saint Petersburg State University Dr. Charlotte Havermans, Alfred Wegener Institute Helmholtz Center for Polar and Marine Research</p>
14:20 – 14:40 / 13:20 – 13:40	<p>Alejandro Tiburcio @online</p> <p>Late Quaternary Environmental Change on the southern Morris Jesup Rise (Arctic Ocean)</p> <p>Supervisors: Dr. Alexey Krylov, Saint Petersburg State University Dr. Robert Spielhagen, GEOMAR Helmholtz Centre for Ocean Research Kiel</p>

Moscow time / Berlin time

Presentation

14:40 – 15:00 / 13:40 – 14:00

Nil Rodés i Llorens @online

Gas hydrate stability and distribution in the fjords of Western Spitsbergen, Svalbard archipelago. An assessment based on indirect hydrate indicators

Supervisors:

Dr. Alexey Krylov, Saint Petersburg State University

Prof. Dr. Gerhard Bohrmann, Bremen University

15:00 – 15:15 / 14:00 – 14:15

End of the session. Internal session of the examination commission

15:15 / 14:15

Announcement of the results