

Wall of fame - PhD dissertations at UNIS (2012 – 2021)

Dissertation date	Name	Dissertation title	UNIS dept.	Supervisor	Univ.	Link to press release
24.11.21.	Tatiana Drotikova	Polycyclic aromatic compound (PACs) in ambient air of Svalbard. Concentrations, seasonal trends, sources, and transformation processes	Arctic Technology	Roland Kallenborn	NMBU	Toxic atmospheric Polycyclic Aromatic Compounds measured in Svalbard - UNIS
10.09.21.	Holt John Hancock	Snow avalanche controls, monitoring strategies, and hazard management in Svalbard	Arctic Geology	Thomas Vikhamar Schuler	UiO	Refining knowledge about snow avalanches - UNIS
17.06.21.	Fasil Tesema Kebede	Energetic electron precipitation of pulsating aurorae and their mesospheric effects	Arctic Geophysics	Noora Partamies	UiB	Pulsating aurora can lead to depletion of the ozone layer - UNIS
16.06.21.	Anna Monika Ejsmond	Temporal constraints on reproduction and growth in a seasonal environment	Arctic Biology	Mads Forchhammer	UiB	
08.04.21.	Hanna Rósa Hjálmarsdóttir	New insight into the Taxonomy, Biostratigraphy, and Paleoecology of Jurassic – Cretaceous Arctic foraminifera”	Arctic Geology	Snorre Olaussen	UiO	Microfossils from the Circum-Arctic - UNIS
02.03.21.	Thomas Charles David Birchall	Pore Pressure Regimes of the Northern Barents Shelf - Implications for Fluid Flow	Arctic Geology	Kim Senger	UiO	Pore Pressure Regimes of the Northern Barents Shelf - UNIS
22.01.21.	Katie Ann Herlingshaw	Characterising Mesoscale Fast Flow Channels in the Polar Cap Ionosphere	Arctic Geophysics	Lisa Baddeley	UiB	Fast Flow Channels in the Polar Cap Ionosphere - UNIS
06.11.20.	Magdalena Wutkowska	Microbial eukaryotes and their functional importance in the Arctic. A Svalbardian perspective.	Arctic Biology	Pernille Bronken Eidesen / Tove Gabrielsen	UiT	https://www.unis.no/understanding-roles-of-microbial-eukaryotes-in-the-high-arctic-ecosystems/
02.11.20.	Eli Anne Ersdal	Ocean motion in the Yermak Plateau - tidal and air-ocean interactions	Arctic Geophysics	Frank Nilsen	UiB	https://www.unis.no/tides-and-weather-affect-transport-of-warm-water-to-the-arctic/
22.09.20.	Matteo Petit	Short-term tundra plant-	Arctic Biology	Ingibjörg	UiT	

	Bon	community nutrient responses to herbivory and warming. New insights from near infrared-reflectance spectroscopy methodology		S.Jónsdóttir		
19.05.20.	Siiri Maria Margareta Wickström	Warmer and wetter winters over the high-latitude North Atlantic - an atmospheric circulation perspective	Arctic Geophysics	Marius Opsanger Jonassen	UiB	https://www.unis.no/changing-low-pressure-tracks-in-the-high-arctic-in-winter/
27.02.20.	Aleksandra Anna Smyrak-Sikora	Development of extensional growth basins: A field based study, Svalbard, Norway	Arctic Geology	Snorre Olaussen	UiB	https://www.unis.no/new-knowledge-about-sedimentary-basins-in-svalbard/
18.12.19.	Erkka Petteri Heino	Spatial extent of solar proton impact in the Earth's atmosphere – Observations and modeling	Arctic Geophysics	Noora Partamies	UiT	https://www.unis.no/solar-proton-impact-in-the-middle-atmosphere/
20.11.19.	Maja Karoline Viddal Hatlebakk	New insights into Calanus glacialis and C. finmarchicus distributions, life histories and physiology in high-latitude seas	Arctic Biology	Janne Søreide	UiN	https://www.unis.no/fate-of-copepods-in-a-warming-arctic-dependent-on-the-algae-season/
29.03.19.	Ane Cecilie Kvernvik	Ecophysiological Responses of Sea Ice Algae and Phytoplankton to a Changing Arctic	Arctic Biology	Tove Gabrielsen	UiO	https://www.unis.no/algae-the-foundation-of-life/
20.02.19.	Ylva Ericson	Drivers of the marine CO ₂ system in the High Arctic – from the deep basins to the shallow fjords	Arctic Geophysics	Eva Falck	UiB	https://www.unis.no/drivers-of-the-marine-co2-system-in-the-high-arctic/
06.12.18.	Wesley Farnsworth	Holocene glacier history of Svalbard: Retracting the style of (de-)glaciation	Arctic Geology	Olafur Ingolfsson	UiT	https://www.unis.no/holocene-glacier-history-of-svalbard-retracing-the-style-of-deglaciation/
21.11.18.	Liyuan Chi	Shock compression and fractures in laboratory rock blasting	Arctic Technology	Zongxian Zhang	NTNU	https://www.unis.no/understanding-better-fundamental-mechanisms-of-rock-fracture-by-blasting/
04.05.18.	Oscar Jacob Fransner	Late Weichselian ice-sheet dynamics and deglaciation history of the northern Svalbard margin	Arctic Geology	Riko Noormets	UiT	https://www.unis.no/deglaciation-northern-svalbard-margin/
21.03.18.	Mark Joseph Mulrooney	Faults affecting the Triassic Barents Shelf: Syn-kinematic deposition, deformation mechanisms and	Arctic Geology	Snorre Olaussen	UiO	https://www.unis.no/triassic-development-of-the-norwegian-barents-shelf/

		driving forces				
17.01.18.	Graham Lewis Gilbert	Cryostratigraphy and sedimentology of high-Arctic fjord-valleys	Arctic Geology	Hanne Christiansen	UiB	https://www.unis.no/geological-investigation-high-arctic-fjord-valleys/
19.09.17.	Anne Elina Flink	Glacier dynamics in the fjords of Svalbard, inferred from submarine landforms and marine sediment cores	Arctic Geology	Riko Noormets	UiB	https://www.unis.no/glacier-dynamics-svalbard-fjords/
12.05.17.	Åsmund Skjæveland	Energy inputs and upflow motion in the cusp	Arctic Geophysics	Dag Lorentzen	UiO	https://www.unis.no/heating-vertical-winds-dayside-aurora/
09.05.17.	Julie Cornelius Grenvald	Understanding winter patterns of zooplankton diel vertical migration (DVM) in a high Arctic fjord (Kongsfjorden, Svalbard)	Arctic Biology	Jørgen Berge	UiT	https://www.unis.no/zooplankton-migration-patterns-polar-night/
28.02.17.	Xiangcai Chen	A study of dayside open/closed field line boundary dynamics using simultaneous ground-based optical and HF radar observations	Arctic Geophysics	Dag Lorentzen	UiO	https://www.unis.no/dynamic-study-ionospheric-footprint-cuspcleft-svalbard/
12.01.17.	Renat Yulmetov	Observations and Numerical Simulations of Icebergs in Broken Ice	Arctic Technology	Aleksey Marchenko	NTNU	https://www.unis.no/icebergs-broken-sea-ice/
19.12.16.	Silje Eriksen Holmen	Trends and variability in polar mesopause region temperatures attributed to atmospheric dynamics and solar variability	Arctic Geophysics	Fred Sigernes	UiT	https://www.unis.no/temperature-variations-trends-90-km-height-arctic-atmosphere/
14.12.16.	Eike Ingrid Stübner	Seasonality of Meroplankton in Svalbard Waters	Arctic Biology	Janne Søreide	UiT	https://www.unis.no/meroplankton-svalbard-waters/
18.10.16.	Miriam Marquardt	Marine microbial eukaryotes in Svalbard waters: Seasonality, community composition and diversity	Arctic Biology	Tove Gabrielsen	UiT	https://www.unis.no/opening-black-box-polar-night/
29.09.16.	Thomas Gölles	Impurities of glacier ice: accumulation, transport and albedo	Arctic Geophysics	Carl Egede Bøggild	NMBU	https://www.unis.no/impurities-glacier-ice/
16.12.15.	Sunil Mundra	Richness and community structure of High Arctic fungi through space and time explored using high-	Arctic Biology	Pernille Bronken Eidesen	UiO	https://www.unis.no/unravelling-hidden-designer-of-arctic-vegetation/

		throughput sequencing				
06.11.15.	Srikumar Roy	Geological controls on fluid flow and seepage in western Svalbard fjords	Arctic Geology	Riko Noormets	UiB	https://www.unis.no/looking-deeper-into-the-seafloor-of-isfjorden-svalbard/
13.10.15.	Heidi Sevestre	Surge-type glaciers: controls, processes, distribution	Arctic Geology	Doug Benn	UiO	https://www.unis.no/solving-the-mystery-of-surg-ing-glaciers/
27.08.15.	Teena Chauhan	Late Quaternary paleoceanography of the northern continental margin of Svalbard	Arctic Geology	Riko Noormets	UiT	https://www.unis.no/warm-atlantic-water-drives-the-climate-in-the-arctic/
19.11.14.	Daniel Vogedes	Calanus spp. in the Arctic ecosystem – a story on predation, distribution and morphology	Arctic Biology	Jørgen Berge	UiT	https://www.unis.no/the-most-important-animal-in-the-arctic/
29.08.14.	Jeff Holmes	The Protonics project: distributed observations of auroral dayside Doppler-shifted hydrogen emissions	Arctic Geophysics	Dag Lorentzen	UiO	https://www.unis.no/new-light-shed-dayside-aurora/
23.06.14.	Johanna Hovinen	Foraging, reproduction and survival of the zooplanktivorous seabird Little Auk (<i>Alle alle</i>) in the Arctic in relation to climatic and environmental variability	Arctic Biology	Jørgen Berge	UiT	http://www.npolar.no/no/nyheter/2014/2014-06-27-ny-doktorgrad-alkekonge.html
21.11.13.	Pernilla Carlsson	Selective processes for bioaccumulative up-take of persistent organic pollutants (POPs) in Arctic food webs	Arctic Technology	Roland Kallenborn	UiT	https://www.unis.no/pollutants-in-the-arctic/
09.10.13.	Louis Delmas	Spontaneous Avalanche Release in Svalbard: Influence of Climate Parameters on Snow Mechanical Properties	Arctic Technology	Jan Otto Larsen	NTNU	https://www.unis.no/new-understanding-of-snow-avalanches/
03.10.13.	Aleksey Shestov	The Role of the Thermodynamic Consolidation of Ice Ridge Keels in the Seabed Gouging Process	Arctic Technology	Aleksey Marchenko	NTNU	https://www.unis.no/new-insights-into-ice-ridge-keels/
08.03.13.	Endre Før Gjermsundsen	Quaternary glacial history of northern Spitsbergen, Svalbard; cosmogenic nuclide constraints on configuration, chronology and ice dynamics	Arctic Geology	Anne Hormes	UiO	https://www.unis.no/reveals-more-of-svalbards-glacial-history/

16.01.13.	Markus Eckerstorfer	Snow avalanches in central Svalbard: A field study of meteorological and topographical triggering factors and geomorphological significance	Arctic Geology	Hanne Christiansen	UiO	https://www.unis.no/snow-avalanches-central-svalbard/
22.05.12.	Lucie Strub-Klein	Field measurements and analysis of the morphological, physical and mechanical properties of level ice and sea ice ridges	Arctic Technology	Aleksey Marchenko	NTNU	https://www.unis.no/increased-knowledge-about-sea-ice/