

PROGRAMME OF THE CONFERENCE

“Interdisciplinary Polar Studies in Poland”



FRIDAY 17.11.2017

- 9:00-11:00 Registration
 10:00-10:45 Meeting of KBP – invited only
 11:00-14:15 OFFICIAL „Jubilee” SESSION – **chaired by Jacek Jania**
 11:00-11:15 Welcome and Introduction
 11:15-12:15 Speeches of Invited Guests
 12:15-12:45 Polish Polar Station, Hornsund: Sixty days and nights – **Marek Lewandowski**
 12:45-13:15 Henryk Arctowski Polish Antarctic Station: Opening a new avenue for future scientific endeavors – **Robert Bialik**

13:30-14:15 LUNCH

- 14:15-16:15 Plenary Session – **chaired by Piotr Głowacki**
 14:15-14:30 The Inauguration of the Academic Year 2017/2018 of the Interdisciplinary Polar Studies
 14:30-15:15 LECTURE 1 – **SUSAN BARR** “IPY stations in the Norwegian Arctic – their history and current management”
 15:15-15:45 Historical Plenary Session With speeches of Special Guests
 15:45 -16:15 Invited Thematic Talk by **Michał Łuszczuk** “The political contexts of the polish polar research”

16:15-16:45 COFFEE BREAK

- 16:45-18:00 POSTER SESSION

18:00-20:00 ICE BREAKER

SATURDAY 18.11.2017

- 9:00-9:50 INVITED LECTURE 2 – **chaired by Robert Bialik**
 9:00-9:50 LECTURE 2 – **JERONIMO LOPEZ-MARTINEZ** “Present and future of Antarctic research - Importance of international cooperation”

Room 1

Room 2

Room 1		Room 2	
10:00-11:20	Evolution of glaciers & cryosphere and related processes – chaired by Michał Pętlicki	Cross cutting issues and other topics – chaired by Jacek Siciński	
10:00-10:20	Evolution of South Spitsbergen coast due to glacier dynamics – past and future Mariusz Grabiec	Edu-Arctic: engaging students in stem education through polar research Tomasz Wawrzyniak	
10:20-10:40	Talus slope evolution under the influence of glaciers with the example of slopes near the Hans Glacier, SW Spitsbergen, Svalbard Krzysztof Senderak	Macroplastic litter on Svalbard coast - new vector for species dispersal Jan Marcin Węśławski	
10:40-11:00	Thermal properties of snow cover over different ground types during spring seasons 2016, 2017 in Hornsund region Aleksander Uszczyk	Characterization of the complete chloroplast genome of <i>Colobanthus apetalus</i> (Labill.) Druce and comparisons with related species Piotr Androsiuk	
11:00-11:20	Glacial and periglacial environment in geophysical view Wojciech Dobiński	Intraspecific variation of mercury contamination in feathers of Adélie penguin Juliana Souza	
11:20-11:40	COFFEE BREAK		
11:40-13:10	Evolution of glaciers & cryosphere and related processes – chaired by Jon Ove Hagen	Polar terrestrial ecosystems – chaired by Robert Bialik	
11:40-12:10	Invited Thematic Talk by Francisco Navarro Observed impacts on the cryosphere of the recent cooling in the northern Antarctic Peninsula	Invited Thematic Talk by Leon A. Bravo In situ warming experiments near Henryk Arctowski Antarctic Station: unraveling the impact of regional warming on Antarctic vascular plants	

12:10-12:30	Terrestrial LiDAR reflection intensity as a proxy for recent calving of a tidewater glacier Julian Podgórski	Dendroclimatological signal derived from <i>Betula nana</i> growth rings chronology in Northern Alaska - from local to pan-regional scale Agata Buchwał
12:30-12:50	Sources and distribution of icebergs in the Amundsen Sea, Antarctica Aleksandra Mazur	Life lessons from Antarctic plant species: how to live in an extreme environment and why plant scientists are so interested Xurxo Gago
12:50-13:10	The impact of deep ocean water temperatures on ice flow velocities for two Greenlandic outlet glaciers Katarzyna Lach	Spring snowmelt in coastal tundra environment – case study from the Fuglebekken catchment (SW Spitsbergen) Daniel Kępski
13:10-14:00	LUNCH	
14:00-14:50	INVITED LECTURE 3 – chaired by Andy Hodson	
14:00-14:50	LECTURE 3 – JON OVE HAGEN “Mass balance of Svalbard glaciers 1957-2015, in a global context”	

15:00-16:20	Evolution of glaciers & cryosphere and related processes – chaired by Jefferson Simoes	Climate change and polar meteorology – chaired by Krzysztof Migala
15:00-15:20	Importance of discrete recharge and supraglacial drainage system evolution in subglacial drainage system modelling of Svalbard polythermal glaciers Leo Decaux	Recent air temperature changes in the arctic in the light of observational and reanalysis data Rajmund Przybylak
15:20-15:40	Distinguishing glacier facies in Svalbard glaciers based on remote sensing and in situ data. Barbara Barzycka	Modelling Land Surface Temperature (LST) on the Svalbard archipelago Alfred Stach
15:40-16:00	Fresh water input to the Hornsund with the emphasis on glacier calving Małgorzata Błaszczuk	Assessing the Climate Impact of Aviation Emissions on the Arctic Environment Jacek W. Kamiński
16:00-16:20	Quantification of proglacial dynamics using unmanned aerial vehicle (UAV) surveys and archival aerial photographs Marek Ewertowski	Air temperature as a criterion for snow and rain separation for Svalbard Katarzyna Cielecka

16:20 - 16:40 COFFEE BREAK

16:40-18:30	Geomorphic processes and freshwater hydrology – chaired by Jeronimo Lopez-Martinez	Physical & chemical marine processes – chaired by Rajmund Przybylak
16:40-17:10	Invited Thematic Talk by Andrew Jonathan Hodson Landscape change and the emission of greenhouse gases in Central Spitsbergen	Invited Thematic Talk by Ursula Schauer Ocean glacier interaction in Northeast Greenland
17:10-17:30	New karst spring in Hornsund, Spitsbergen feeded by subglacial waters Jacek Jania	Ocean-glaciers interactions in the fjord Hornsund Waldemar Walczowski
17:30-17:50	Fan-shaped landforms in the periglacial high-Arctic environment of central Spitsbergen, Svalbard: Spatial distribution, surface morphology and dynamics Aleksandra Tomczyk	Burial rates of sedimentary organic and inorganic carbon in two high Arctic fjords Katarzyna Koziorowska
17:50-18:10	The impact of the recession of glaciers on the relief and hydrological conditions on the western shore of Admiralty Bay (King George Island, W Antarctica) Joanna Szilo	Ocean changes in the warming Arctic - the main results from the IOPAN long-term monitoring program AREX Agnieszka Beszczynska-Möller
18:10-18:30	The first dendrogeomorphological research in Svalbard – from the concept to the method calibration Piotr Owczarek	Observed decrease of snow density in response to recent cooling in northern Antarctic Peninsula. Could it have an influence on the estimated surface mass balance? Cayetana Recio-Blitz

19:30 CONFERENCE DINNER

SUNDAY 19.11.2017

- 9:00-9:50 INVITED LECTURE 4 – **chaired by Francisco Navarro**
 9:00-9:50 LECTURE 4 – **JEFFERSON SIMOES** “Brazilians in Antarctica: opportunities for international cooperation”
 9:50-10:10 **COFFEE BREAK**

10:10-11:50	Marine ecosystems – chaired by Marta Potocka	Lithosphere and development of geological structure – chaired by Mariusz Grabiec
10:10-10:30	Variability in the benthic biomass size spectra along latitudinal gradient (60-80°N) Mikołaj Mazurkiewicz	Ground penetrating radar data as a source of information about subglacial geological structures – Southern Spitsbergen Patrycja Michałowicz
10:30-10:50	Foraminiferal from paleo sub-ice-shelf and grounding zone proximal settings in the Whales Deep Basin, eastern Ross Sea, Antarctica Wojciech Majewski	New palaeomagnetic and detailed petro-magnetic data from metabasites of Oscar II Land, Western Spitsbergen Mariusz Burzyński
10:50-11:10	Toward a better understanding of macroalgae interaction with a changing Arctic environment. Isfjorden: a multidisciplinary case study Aleksandra Kruss	Palaeomagnetic investigations of Svalbard Archipelago conducted by the Institute of Geophysics Polish Academy of Sciences in the 21st century Krzysztof Michalski
11:10-11:30	Macrofauna of kelp forests of Cape Farewell (South Greenland) Józef Wiktor	3D Modelling of Ice Cracking with The Discrete Element Method Piotr Klejment
11:30-11:50	How Greenland Sea ostracods distribution and diversity is reflected in Nansen Basin? Mateusz Krawczuk	Dynamics of ice breaking - DEM simulations Natalia Foltyn
12:00-12:30	CLOSING SESSION – chaired by Robert Bialik & Marek Lewandowski	
13:00-15:00	Meeting of the Centre for Polar Studies – invited only	

Organizers:



Honorary Patronage:

