

DFG-Schwerpunktprogramm 1158: Antarktischforschung mit vergleichenden Untersuchungen in arktischen Eisgebieten

Dienstag: 08.09.2015

Development of the continent

14:00-14:30: Eingeladener Vortrag: Fausto Ferraccioli (British Antarctic Survey, England): A golden decade of aerogeophysical research helps unveil the Antarctic continent

14:30-14:45: Nicole Krohne (Universität Bremen): Die langfristige Landschaftsentwicklung der Weddell Meer-Region

14:45-15:00: Antonia Ruppel (BGR Hannover): Lateral extrusion at the eastern margin of the east African-antarctic orogeny in Dronning Maud Land, Sør Rondane

15:00-15:15: Max Zundel (Universität Bremen): Cenozoic exhumation history of the Ross province of Marie Byrd Land, West Antarctica

15:15-15:30: Mirko Scheinert (TU Dresden): Ice-mass balance and glacial isostatic adjustment in the area of the Amundsen Sea, West Antarctica, derived from geodetic observations and modelling

Kaffepause

Dynamics of climate system components

16:00-16:30: Eingeladener Vortrag: Oliver Huhn (Universität Bremen, Deutschland): Evidence for increase basal ice-shelf melting in the Weddell Sea from oceanic noble-gas observations, 1990-2013

16:30-16:45: Thorsten Seehaus (Universität Erlangen): Recent changes in ice dynamics of Antarctic Peninsula glaciers revealed from multi-mission remote sensing data

16:45-17:00: Stephan Paul (Universität Trier): Satellite-derived fast-ice climatology and fast-ice growth rates of Atka Bay, Antarctica

17:00-17:15: Klaus Morawetz (FH Münster): Brine channel distribution in sea ice

17:15-17:30: Janna Abalichin (FU Berlin): Atmosphäre-Meereis-Wechselwirkung in der Antarktis

17:30-17:45: Ingo Sasgen (GFZ Potsdam): West Antarctic glacial-isostatic adjustment in the presence of weak Earth structure

Mittwoch: 09.09.2015

Response to environmental change

08:30-09:00: Eingeladener Vortrag: David Thomas (Bangor University, Wales): Responses to changing sea ice conditions

09:00-9:15: Heike Link (Universität Kiel): Muster der benthischen Ökosystemfunktion an der antarktischen Halbinsel

09:15-09:30: Jana Dömel (Ruhr-Universität Bochum): Speciation and adaptation in Antarctic sea spiders: Assessing the relative importance of genetic drift and selection using comparative population genomic and morphological approaches

09:30-09:45: Charlotte Havermans (Universität Bremen): Is the predatory amphipod *Thermisto gaudichaudii* poised to displace krill in the warming region of the Southern Ocean

09:45-10:00: Dorte Janussen (Forschungsinstitut und Naturmuseum Senckenberg, Frankfurt/Main): Diversity of the sponge communities in the Bransfield Strait, the Drake Passage and the Weddell Sea, Antarctica

10:00-10:15: Ulf Karsten (Universität Rostock): Small, but powerful – benthic diatoms in polar waters

Kaffepause

Gateways to lower latitudes

10:45-11:15: Eingeladener Vortrag: Gabriele Stowasser (British Antarctic Survey, England): Science in a cold climate - Southern Ocean ecosystem and food web research

11:15-11:30: Laura Würzberg (Universität Hamburg): Food selectivity as a driver of diversity in Antarctic deep-sea invertebrates

11:30-11:45: Sergio Vargas (Ludwig-Maximilians-Universität, München): Diversity in a cold hot-spot: DNA-barcoding reveals patterns of evolution among Antarctic demosponges (Class Demospongiae, Phylum Porifera)

11:45-12:00: Sandra Jivcov (Universität Köln): Holocene vegetation and climate history of South Georgia, revealed by lipid biomarkers

12:00-12:15-17:30: Thomas Ronge (AWI Bremerhaven): The ventilation and circulation of the southern Indian Ocean on glacial/interglacial timescales

12:15-12:30: Ulf Karsten/Julia Regnery (Universität Rostock): Priority Program Antarctic Research – Overview and Outreach