| CRYOSPHERE 2022 - ISMASS SESSION, TUESDAY AND WEDNESDAY, 23-24 AUGUST. Convened by Edward Hanna. LOCATION: SAFNAHÚS AUDITORIUM | | | | |
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| **TUESDAY SESSION** | | https://climate-cryosphere.org/ismass-workshop-ice-sheets-weather-vs-climate/ | | |
| **TIME** | **SPEAKER** | **TITLE** | **AFFILIATION** | **COUNTRY** |
| 09:00-09:15 | Edward Hanna | Introduction | Lincoln University | UK |
| 09:15-09:40 | Jason Box | Competition between amplifiers and dampers in Greenland snow and ice mass budgets | GEUS, Copenhagen | DK |
| 09:40-10:05 | Alison Delhasse | Interest in using MAR-based weather forecasts for real-time monitoring of ice sheets | University of Liege | BE |
| 10:05-10:30 | Dorthe Dahl-Jensen | Use of extreme events in ice cores to learn about climate | University of Copenhagen | DK |
| **10:30-10:45** | **Coffee Break** | | | |
| 10:45-11:10 | Tamsin Edwards | Towards AR7: calibrating the next generation of ice sheet model-based projections with satellite data | King´s College, London | UK |
| 11:10-11:35 | Michiel van den Broeke | On the atmospheric warming thresholds for Antarctic ice shelf viability | Utrecht University | NL |
| 11:35-12:00 | Ronja Reese | What about MISI? Analysing the stability regimes of Antarctic grounding lines with numerical models | Northumbria University | UK |
| **12:00-13:00** | **Lunch in Harpa** | | | |
| 13:00-13:25 | Frank Pattyn | Modelling the Antarctic ice sheet over the historical period: challenges, improvements and weather versus climate | Université Libre de Bruxelles | BE |
| 13:25-13:50 | Robert DeConto | Crevassing, calving, and ice cliffs: contrasting views on Antarctica's future | University of Massachusetts | USA |
| 13:50-14:05 | Matt Morlighem | Investigating the role of Marine Ice Cliff Instability for glacier retreat in the Amundsen Sea Sector over the next century | Dartmouth College | US |
| 14:05-14:20 | Edward Hanna | Greenland climate/ice sheet change, extreme weather and global climate impacts | University of Lincoln | UK |
| 14:20-14:35 | Lizz Ultee | Timescale separation in Helheim Glacier's response to variability in runoff and terminus position | Middlebury College | US |
| 14:35-14:50 | | Discussion of talks so far | | |
| **14:50-15:15** | **Coffee Break** | | | UK |
| 15:15-15:30 | Peter Tuckett | Climatic controls on surface meltwater ponding across Antarctica between 2006 and 2021 | University of Sheffield | UK |
| 15:30-15:45 | Alison Banwell | Quantifying Antarctic-wide ice-shelf surface melt from 1979 to 2021 | University of Colorado | US |
| 15:45-16:00 | Bertie Miles | 50 years of ice shelf weakening in Antarctica | University of Edinburgh | UK |
| 16:00-16:15 | | General discussion and initial overview | | |
| 16:00-16:30 | | | | |
| 16:30 | | ISMASS Poster Session in Harpa, jointly with the Cryosphere 2022 Poster Session | | |
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| **WEDNESDAY SESSION** | | | | |
| 09:00-10:15 | **Panel discussion** | All are welcome to participate in this Q&A session which will be led by invited speakers including Michiel van den Broeke, Ronja Reese and others | | |
| 10:15-10:45 | **Coffee break** | | | |
| 10:45-12:00 | **Paper planning session** | | | |
| **12:00-13:00** | **Lunch in Harpa** | | | |
| 13:00 | **Start of excursions (optional)** | | | |
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| | | **ISMASS POSTERS - on display with Cryosphere 2022 posters in Harpa, in a separate section** | | |
| | Raf Antwerpen | Assessing the impact of bare ice albedo on meltwater production estimates from Greenland | Columbia University | US |
| | Alexandra Avrutin | Observation-consistent nonlinear ice interactions in an efficient Earth Systems model and their implications for sea-level projections | University of Southampton, UK | UK |
| | Johanna Beckmann | How will the Greenland ice Sheet develop under extreme melt events? | AWI, Potsdam, Germany | DE |
| | John Erich Christian | Outlet glacier variability: forcing, timescales, and implications for attribution | Georgia Institute of Technology | US |
| | Saurabh Kaushik | Deep learning framework for automated mapping of glacial lakes using multisource remote sensing data | Academy of Scientific and Innovative Research, Chandigarh | IN |
| | Uta Krebs-Kanzow | The diurnal Energy Balance Model (dEBM): a convenient surface mass balance solution for ice sheets in Earth system modeling | Alfred Wegener Institute, Bremerhaven | DE |
| | Aayushi Pandey | Antarctic ice sheet in a changing world | Charles University, Prague | CZ |
| | Therese Rieckh | Evaluating The Greenland Ice Sheet Interior With Layer Tracing: Opportunities And Limitations | Bjerknes Centre for Climate Research, Norway | NO |
| | Justin Toller | Antarctic ice shelf and ocean temperatures from distributed temperature sensing: Analysis of annual changes and calibration techniques | University of Nevada, Reno | US |
| | Daniel Topal | Observation-model discrepancies in wind-driven Greenland melt impact sea-level rise projections | University of California, Santa Barbara | US |
| | Christian Torres | Machine learning applied to glacier surface mass balance modelling in the northern Antarctic Peninsula | Federal University of Rio Grande | BR |