

Session Program

30 September 2019 to 3 October 2019



The 8th International Ice Drill Symposium

Session 2

The Royal Danish Academy of Sciences and Letters
The Royal Danish Academy of Sciences and Letters H.C. Andersens Boulevard 35 DK-1553
Copenhagen V Denmark

Monday 30 September

13:00

Session 2

Session |

Location: The Royal Danish Academy of Sciences and Letters, The Royal Danish Academy of Sciences and Letters
H.C. Andersens Boulevard 35 DK-1553 Copenhagen V Denmark

13:00-13:20

University of Copenhagen Ice Core Drilling Operations Since 2013 and Future Outlook

Speaker

Copenhagen Drill Group

13:20-13:40 **Glacial-bedrock interface drilling and sampling**

Speaker

Dr Victor Zagorodnov

13:40-14:00 **The brittle ice zone in polar ice cores**

Speaker

Dr Peter D. Neff

14:00-14:20 **Agile Sub-Ice Geological Drill Development**

Speaker

Mr Christopher Gibson

14:20-14:40 **ROV-mountable underwater thermal corer: General concept**

Speaker

Dr Yang Yang

14:40-15:00 **Sub-glacial Drilling using the IDP Winkie Drill**

Speaker

Mr Grant Boeckmann

15:00-15:40 **Coffee**

15:40-16:00

Vertical stabilization and drilling trajectory of RECAS-200 thermal sonde

Speaker

Bing Li

16:00-16:20 **HOTROD: Prototype melt-tip for rapid ice-sheet drilling**

Speaker

William Colgan

16:20-16:40

The development of portable hot-point drill and measurement of 10-m depth snow temperature at Zhongshan Station - Dome A profile

Speaker

Dr Xiaopeng Fan

16:40-17:00 **EnEx-RANGE: A network of thermal drills for glacial exploration****Speaker**

Dr Dirk Heinen

17:00

Session 2: Poster Session I**Session** |**Location:** The Royal Danish Academy of Sciences and Letters, The Royal Danish Academy of Sciences and Letters
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17:00-17:04

Multifunctional logger with microelectromechanical measuring systems for logging of the deep boreholes in Antarctic and Greenland ice sheets**Speaker**

Prof. Pavel Talalay

17:04-17:08

High resolution in situ density profiling of snow-firn-ice sequences.**Speaker**

Dr Victor Zagorodnov

17:08-17:12

Field-portable ice core saw**Speaker**

Erik Blake

17:12-17:16

IDP Hot Water Drills**Speaker**

Mr Christopher Gibson

17:16-17:20

Prototype Ice Well**Speaker**

Mr Christopher Gibson

17:20-17:24

Temperature distribution in ice around thermally drilled borehole**Speaker**

Dr Xiao Li

17:24-17:28

Passive Replicate Coring Concept for Ice Coring Drills**Speaker**

Mr Jay Johnson

17:28-17:32

Core handling for the South Pole ice core (SPICEcore) project**Speaker**

Joseph Souney

17:32-17:36

Drill Tents**Speaker**

Mr Tanner Kuhl

17:36-17:40

4-Inch Drill to Foro 400 Evolution**Speaker**

Mr Jay Johnson

17:40-17:44

Side-wall ice corer

Speaker

Prof. Pavel Talalay

17:44-17:48

An enhanced percussion hammer mechanism for a subglacial sediment corer

Speaker

Keith Makinson

17:48-17:52

DiElectric Profiling with rapid access drilling: in-situ DEP in the borehole

Speaker

Prof. Frank Wilhelms

17:52-17:56

Concept and testing of hot-water coring system with PDM-motor drive

Speaker

Dr Yang Yang

17:56-18:00

Impurities effect on borehole closure rate in ice sheet

Speaker

Jialin HONG

18:20