

## **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

17:00

17:00

16:40–17:00

**EnEx-RANGE: A network of thermal drills for glacial exploration****Speaker**

Dr Dirk Heinen

**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