



Exploration and Study of Antarctic Subglacial Aquatic Environments (SAE)

Presentation Type	Presenting Author	Abstract Title
Poster	Achberger, A.	Expression of a Bacterial Ice Binding Protein from 3,519 m in the Vostok Ice Core
Poster	Barbante	Trace Elements and Metalloids in Accreted Ice From Sub-glacial Lake Vostok, Antarctica
Poster	Beem, L.	High Resolution GPS Measurements Of Ice Surface Velocity Changes On And Around Active Subglacial Lakes, Whillans And Mercer Ice Streams, West Antarctica
Oral	Behar, A.	The Subglacial Lake Exploration Device (SLED) Camera
Oral	Bell, B.	Melt and Freeze Couplet in Central East Antarctica
Oral	Bentley, M.	Subglacial Lake Sedimentary Processes and Sediments: Potential Recorders of Past Climate and Ice Sheet Changes
Poster	Bidle, K.	The Use Of Analytical Flow Cytometry And High-Speed Cell Sorting To Assess The Abundance And Viability Of Ancient Ice Microbes
Oral	Bindschadler, R.	Surprises Seen in the Sub-ice Shelf Environment
Oral	Blake, D.	The Development of a Hot-Water Drill to Access Sub-Glacial Lake Ellsworth
Oral	Block, A.	The Role of Subglacial Lakes in the Onset and Maintenance of Recovery Ice Stream, East Antarctica
Poster	Bulat, S.	Biochemical Study of Lake Vostok Accretion Ice

Presentation Type	Presenting Author	Abstract Title
Oral	Bulat, S. Presented by Lukin, V.	Russian Plans/Activities for Drilling into and Sampling Subglacial Lake Vostok
Poster	Carter, S.	Taking The Pulse: Laser Altimetry And Radar Sounding As A Means To Verify Ice Sheet Water Models At Subglacial Lakes
Poster	Christner, B.	Biologically and Chemically Clean Subglacial Access Drilling
Poster	Cockell, C.	Subglacial Life and the Search for Life Beyond Earth
Poster	Corr, H.	Subglacial Lake-district Reveals East Antarctic Heat Flux Anomaly
Oral	Creyts, T.	Drainage of Subglacial Water Systems Beneath Ice Sheets
Oral	Domack, E.	Sub-glacial Lake Environment and Facies Revealed by Larsen B Ice Shelf Disintegration
Oral	Doran, P.	Environmental Protection and Stewardship of Subglacial Aquatic Environments
Poster	Doyle, S.	Evidence for Microbial Metabolism at -15°C in an Antarctic Subglacial Environment
Poster	Fricker, H.	Synthesising Multiple Remote Sensing Techniques for Analysing Subglacial Hydrologic Systems: Application on MacAyeal Ice Stream, West Antarctica
Oral	Fricker, H. Presented by Tulaczyk, S.	The Whillans Ice Stream Subglacial Access Research Drilling (WISSARD) Project: an Integrated Study of Marine Ice Sheet Stability and Subglacial Life Habitats in West Antarctica
Oral	Gerasimoff, M.	UW-Wisconsin (ICDS) WISSARD Drilling Program: Environmental Stewardship, Engineering, and Scientific Objectives
Poster	Hodgson, D.	Exploring Former Subglacial Hodgson Lake, Antarctica: Geomorphology, Limnology and Palaeoimnology

Presentation Type	Presenting Author	Abstract Title
Poster	Jean Baptiste, P.	New Helium Isotope Measurements In The Accreted Ece of The Subglacial Lake
Poster	Jiang, J.	Scanning Detection Of Multiscale Significant Trend-Changes In Ice-core Records
Poster	Langley, K	Low-frequency Radar Profiles of the Recovery Lakes
Poster	Leitchenkov, L.	Potential Proxies Held in Sediment Inclusions From Ice Cores Of The Vostok Station Borehole
Poster	MacGregor, A.	Modeling The Spatial Variation Of Englacial Radar Attenuation: Application To The Vostok Flowline and Implications For The Detection of Subglacial Lakes
Oral	Marchant, D.	The Geomorphic Signature of Subglacial Floods
Poster	Matsuoka, K.	Detecting Wet Ice-sheet Beds Across Antarctica Using Radar: A Feasibility Assessment Using Three-dimensional Temperature And Radar Attenuation Models
Oral	Mayer, C.	Subglacial Lake Regimes for Different Lake Categories
Oral	Mikucki, J.	Blood Falls, Antarctica: Insights into Subglacial Microbial Energetics
Oral	Mowlem, M.	Probe Technologies for The Direct Measurement and Sampling of Subglacial Lake Ellsworth
Poster	Pattyn, F.	Antarctic Subglacial Lake Discharges
Oral	Pearce, D.	The Search for Life in Former Subglacial Lake Hodgson, Antarctica
Poster	Peters, L.	Seismic Imaging Of The Subglacial Plumbing System
Oral	Powell, R.	Assessing Grounding Zones and Sub-Ice-Shelf Cavity Processes Using Direct Sampling and Robotic Instrumentation

Presentation Type	Presenting Author	Abstract Title
Oral	Ross, N.	Subglacial Lake Ellsworth: its history, recent field campaigns and plans for its exploration
Poster	Scambos, T.	A Sudden Outburst Flood Event Beneath Crane Glacier: Evidence, Causes, and Ice Dynamic Effects
Oral	Scherer, R.	What Can Tiny Fossils Teach Us About WAIS History & Subglacial Processes?
Poster	Schroeder, D.	Comparative Subglacial Hydrology of Thwaites Glacier, West Antarctica, Using Basal Specularity
Poster	Siegert, M.	Subglacial Lake Vostok: A Review of Geophysical Data regarding Its Physiographical Setting
Oral	Skidmore, M.	Microbial Communities in Antarctic Subglacial Aquatic Environments (SAE)
Oral	Stearns, L.	Subglacial Drainage Events Under Outlet Glacier End-members: Byrd Glacier and Whillans Ice Stream
Oral	Stone, W.	ENDURANCE: Two Missions to Antarctica and Paths to Advanced Sub-Glacial Science Autonomy
Oral	Sun, B.	Glaciological and Geophysical Studies in Dome A, East Antarctica
Poster	Takano, Y.	Enantiomer-specific Isotope Analysis For Chiral Amino Acids in Antarctic Sub-glacial Environment: Proposal
Poster	Takano, Y.	Crustal Uplifting Rate Associated With Late-Holocene Glacial-isostatic Rebound at Skallen and Skarvsnes, Lützow-Holm Bay, East Antarctica: Evidence of a Synchrony in Sedimentary and Biological Facies on Geological Setting
Poster	Tranter, M.	Chemistry of Vostok Accretion Ice And Pore Waters Beneath The Kamb and Bindschadlers Is Consistent With Microbial Life Beneath The Antarctic Ice Sheet

Presentation Type	Presenting Author	Abstract Title
Oral	Tulaczyk, S.	Formation and Preservation of Long-Term Paleoclimatic and Paleoenvironmental Records in Subglacial Lakes
Poster	Vick, T.	Microbial Responses During The Transition To Polar Night in Permanently Ice-covered Antarctic Lakes Trista J. Vick and John C. Priscu Montana State University, Department of Land Resources and Environmental Science, 334 Leon Johnson Hall, Bozeman, Montana, 59717
Poster	Vogel, S.	On The Role of Subglacial Bio/Geochemical Processes In Global Biogeochemical Cycles - Results From Kamb Ice Stream And ANDRILL
Oral	Wadham, J.	Examining the Potential for Methanogenesis in Antarctic Subglacial Aquatic Environments
Oral	Walter, J.	How well Do Subglacial Lakes Act as Hydraulic Jacks?
Poster	Wright, A.	The Identification And Physiographical Setting of Antarctic Subglacial Lakes: An Update Based On Recent Discoveries