

**FROZEN PASTS**  
**4th INTERNATIONAL GLACIAL ARCHAEOLOGY SYMPOSIUM**  
**Innsbruck, Austria, 12-16 Oct. 2016**  
**Stiftssäle, Stiftgasse 1**



**Tuesday, 11 Oct. 2016**

**Arrival Day**

**17:30-19:00 Guided Tour, Historic City Centre Innsbruck**

Meeting Point Goldenes Dachl (Golden Roof) – registration required, free of charge

**Wednesday, 12 Oct. 2016**

**From 13:00 Registration**

**14:00-14:30 Opening Ceremony**

Address of Welcome

*Harald Stadler*, Director of the Institute of Archaeologies, University of Innsbruck

*Sabine Schindler*, Vice-Rector for Research, University of Innsbruck

**Session 1: Glacial Archaeology – finds & sites, methods, surveys & analyses**

**Chair Harald Stadler**

14:30-14:50 *Thomas Reitmaier, Christian Auf der Maur, Christoph Walser, Mathias Seifert, Leandra Reitmaier-Naef*

A Late Mesolithic Rock Crystal Mining Site at Fuorcla da Strem/GR-UR in the Swiss Central Alps

14:50-15:10 *Regula Gubler*

What is new in Berne? Recent Finds from the Ice Patches in the Bernese Alps (Switzerland)

15:10-15:30 *Leandra Reitmaier-Naef*

(C)Old Ice 2013-2015: Taking Stock

**Wednesday, 12 Oct. 2016**

**Session 1: Glacial Archaeology – finds & sites, methods, surveys & analyses**

**Chair**            **Harald Stadler**

15:30-15:50 *Thomas Bachnetzer, Harald Stadler, Stephanie E. Metz*  
Glacial Archaeology in the Austrian Alps (GAAA): Past – Present – Future

15:50-16:10 *Hubert Steiner, Rupert Gietl*  
Glacial Archaeology in South Tyrol

**16:10-16:30 Coffee Break**

16:30-16:50 *Constanza Ceruti*  
From Gran Paradiso to the Dolomites: A Pioneer Contribution to an Archaeology of the Sacred in the High Alps

16:50-17:10 *Lars Pilø, Espen Finstad, Atle Nesje, Julian Martinsen*  
The Langfonne Ice Patch - Chronological Patterns in Time and Space

17:10-17:30 *Lars Pilø, Espen Finstad, James Barrett*  
Lendbreen - The History of a Glaciated Mountain Pass

17:30-17:50 *Kjell-Åke Aronsson, Isse Israelsson*  
Reindeer Bones and Antlers Melted out from Ice Patches Gives new Information about History of Reindeer Herding

17:50-18:10 *Andrey V. Novikov, Yuri N. Garkusha*  
Wooden Architecture of the Medieval Fortified Settlement of Ust Voikarsky (Yamal Nenets Autonomous District, Western Siberia)

**18:10-18:35 Discussion**

**18:45**            **Dinner** at the venue (invited)

**20:15**            **Public Talk** (German) – *Thomas Reitmaier*  
„...die Kraxe noch regelfest um die fleischlosen Schultern" – Known and Unknown Ice Mummies from the Alps – At the venue

**Thursday, 13 Oct. 2016**

**Session 1: Glacial Archaeology – finds & sites, methods, surveys & analysis**

**Chair**            **Albert Hafner**

09:00-09:20 *Andrey V. Novikov, Yulia A. Senurina*  
Textiles from Ust-Voikarski Fortified Settlement

09:20-09:40 *Georgi Vizgalov*  
Russian Towns and Burgs of XVII-XVIII Century

Thursday, 13 Oct. 2016

**Session 1: Glacial Archaeology – finds & sites, methods, surveys & analysis**

**Chair**         **Albert Hafner**

09:40-10:00 *Oleg Kardash*  
Medieval Hillforts of Aboriginal Populations

10:00-10:20 *Rachel Reckin, Robert Kelly, Lawrence Todd*  
Two Ice Patch Bows and an Archaeological Landscape in the Absaroka Mountains of Wyoming

10:20-10:40 *Todd Guenther, Jacki Klancher*  
Dinwoody Archaeology in the Greater Yellowstone Area

**10:40-11:00 Coffee Break**

11:00-11:20 *P. Gregory Hare, Christian Thomas*  
Yukon Ice Patch Update: A Review of Alpine Melting Conditions and Changing Research Strategies

11:20-11:40 *Christian Thomas, P. Gregory Hare, Sheila Greer*  
Western Athapaskan Bone and Antler Arrowheads

11:40-12:00 *Valery Monahan, Kate Helwig, Jennifer Poulin*  
Painted Projectiles from Yukon Ice Patches: Research next Steps

12:00-12:20 *Constanza Ceruti*  
High Archaeology: A Historical Perspective

12:20-12:40 *Jochen Hemmleb*  
Detectives on Everest: Archaeology at High Altitude

**12:40-14:00 Lunch**

**Session 2: Climate Change - past & present climates - proxy data, methods and results**

**Chair**         **Martin Callanan**

14:00-14:20 *Ivar Berthling, Linda Jarrett, Geir Vatne*  
Investigating Mass Balance of two Ice Patches in Southern Norway Using Terrestrial LIDAR Scanning

14:20-14:40 *Linda Jarrett, Lena Rubensdotter, Geir Vatne, Ivar Berthling*  
Ice Patch Variability through the Holocene Deducted from Lacustrine Sediment Cores and Ice Patch Melt Horizons

14:40 15:00 *Katie M. Brooks*  
A Summery of Current Climate Change Predictions in the Cryosphere

Thursday, 13 Oct. 2016

**Session 2: Climate Change – past & present climates – proxy data, methods and results**

**Chair**            **Martin Callanan**

15:00-15:20 *Jacki Klancher, Todd Guenther, Darren Wells*  
Central Wyoming College's Interdisciplinary Climate Change Expedition (ICCE) –  
Chasing Ice, and the Tale of Human Occupation in the Upper Elevations of the Wind River  
Range of Wyoming

15:20-15:40 *James H. Dickson, Klaus Oeggl, Wolfgang Hofbauer & Werner Kofler*  
Bryophytes and the Tyrolean Iceman

**15:40-16:00**    **Coffee Break**

**Session 3: Frozen Sites – multidisciplinary approaches**

**Chair**            **Albert Zink**

16:00-16:20 *Sophie Providoli, Amelie Alterauge, José Diaz Tabernero, Luca Gianazza, Hanna Grabner,  
Matthias Senn, Marquita Volken, Serge Volken, Sandra Lösch*  
Death in the Ice - Re-investigations of the Remains from the Theodul Glacier (Switzerland)

16:20-16:40 *Stephanie Rogers, Ralph Lugon, Philippe Curdy*  
Glacial Archaeology in the Pennine Alps - Results from 2011-2014

16:40-17:00 *Martin Callanan*  
«Glacial Archaeology» - What is in a Name?

17:00-17:20 *Franco Nicolis, Cristina Bassi, Nicola Cappellozza, Elisabetta Mottes, Maurizio Vicenzi,  
Cristina Dal Ri, Roberto Giovanni Francese, Aldino Bondesan, Carlo Baroni, Maria Cristina  
Salvatore, Massimo Giorgi, Simone Landi*  
The Frozen War. Archaeology, Geophysics, Heritage Management and Cultural Tourism in  
the WWI Scenario of Punta Linke (3629 m a.s.l., Ortles-Cevedale Group, Italian Alps)

**17:20-17:45**    **Coffee Break**

17:45-18:05 *Craig M. Lee, Kathryn Puseman, Gregory T. Pederson, Meghan J. Dudley*  
Organic Artifacts and Environmental Reconstruction -- Reflections on 10 Years of Ice  
Patch Research in the Greater Yellowstone Area, Northern Rocky Mountains, USA

18:05-18:25 *Elizabeth E. Peacock*  
The Development of Field Testing of Modern Materials to Create Surrogate Archaeological  
Wood Projectile Shafts recovered from Snow Patches

18:25-18:45 *Tatyana Lobanova*  
Archaeozoological Study Materials from the Excavations of Medieval Monuments of  
Cultural Layer of Frozen Northern Eurasia

**18:45-19:00**    **Discussion**

**Thursday, 13 Oct. 2016**

**20:15**      **Gala Dinner** – (invited)  
Address of Welcome  
Christine Oppitz-Plörer, Mayoress Innsbruck  
*At the Venue*

**Friday, 14 Oct. 2016**

**Session 3: Frozen Sites – multidisciplinary approaches**

**Chair**      **Albert Zink**

09:00-09:20 *Klaus Oegg, Johan Reinhard*  
The Plant Remains with the “Ice Maiden”, the Inca Mummy from Mt. Ampato, Peru

09:20-09:40 *Bob Brunswig, Jason M. LaBelle*  
Interdisciplinary Pathways for Glacial Ice Patch Archaeology in Colorado's Front Range Mountains, USA

09:40-10:00 *Jason M. LaBelle*  
Exploring the Relationship between Ice Patches and Communal Hunting in the Colorado Front Range, USA

10:00-10:20 *M. I. Epov, Viacheslav I. Molodin*  
Geophysical Monitoring at the Frozen Burial Sites of the Pazyryk Culture in the Altai Mountains (Russia and Mongolia)

**10:20-10:40**      **Coffee Break**

**Session 4: Conservation and Preservation – issues and developments**

**Chair**      **Kurt Scharr**

10:50-11:10 *Kate McLauchlan*  
The Study of Mummification by Ice through Experimental Re-creation of Archeological Environments kann nicht kommen

11:10-11:30 *Andrey V. Novikov, Olga I. Novikova, Marina V. Moroz, Olga L. Shvetz*  
Emergency Conservation of Goods of Perishable Materials upon their Recovery from Frozen Soil

**Session 5: Frozen Pasts – the ecology & ethnography of Glacial Archaeological sites**

**Chair**      **Franco Nicolis**

11:30-11:50 *Martin Callanan*  
From Hand-bow to Crossbow - A Technical Transition among Medieval Ice Patch Hunters in Norway

11:50-12:10 *Jørgen Rosvold*  
Melting Ecological Archives of the Past: Faunal Finds from Glaciers and Snow Patches

**Friday, 14 Oct. 2016**

**Session 5: Frozen Pasts – the ecology & ethnography of Glacial Archaeological sites**

**Chair**            **Franco Nicolis**

12:10-12:30 *Vivian Wangen*

Ice Patches as Hunting Installations for Wild Reindeer 300-1000 AD - The Use of Scaring-Sticks from Archaeological Ice Patch Sites in Oppland Country, Norway

**12:30-14:10 Lunch (invited) – At the Venue**

**Friday, 14 Oct. 2016**

**Session 5: Frozen Pasts – the ecology & ethnography of Glacial Archaeological sites**

**Chair**            **Franco Nicolis**

14:10-14:30 *Brit Solli*

Reindeer-hunting, Materiality, Entanglement and Society - The Norwegian Case

14:30-14:50 *Erik Norberg*

Reindeer Herding and Snow Patches

14:50-15:10 *E. James Dixon*

Alaskan Ice Patch Provides new Insights into the Antiquity of the Bow and Arrow in North America

**15:10-15:40** *Martin Callanan, E. James Dixon, Albert Hafner, Greg Hare*

Journal of Glacial Archaeology: Introduction and Opportunities

**15:40-16:10 Discussion**

**16:10-16:30 Coffee Break**

**Session 6: Poster Session**

**16:20-17:20** *Stephanie Rogers, Mauro Fischer, Matthias Huss*

GlaciArch: Applying Glaciological Methods for Gauging Archaeological Potential using GIS

*Friederike Moll-Dau, Johanna Klügl*

Analyzing Approaches of the Residual Oxygen Content in "Oxygen free" Long-Term Packing of Leather Finds from Schnidejoch Pass

*Stephanie E. Metz, Thomas Bachnetzer, Harald Stadler*

Glacial Archaeology in the Austrian Alps (GAAA) – Tracing the Disappearing using GIS

*Lars Pilø, Espen Finstad, Brit Solli*

The Glacier Archaeology of Oppland

*Einar Kristensen*

In Search of Lost Arrows - A Metal Detector Survey of the Ice Patch "Storbreen", Oppdal

**Friday, 14 Oct. 2016**

**Session 6: Poster Session**

*Bogdan Bobîna & Călin Şuteu*

The Population Dynamics in the Eastern Carpathians

*Vladimir Pitulko*

Excavations of Frozen Sites in the Siberian Arctic

*Vladimir Pitulko, Elena Y. Pavlova*

Late Pleistocene and Early Holocene Environmental Changes and Human Habitation Record in Arctic Siberia

*Daniel Gaudio, Franco Nicolis, Andrea Galassi, Cristina Cattaneo*

WWI Soldiers Found in Glacial Contexts: Identification, Thaponomy and Trauma

**19:00-20:00 Exhibition**

Finds from the Porchabella Glacier, Switzerland – Late Medieval and Early Modern Age

Textiles of the Gold Mines in Carinthia, Austria

Curator: Beatrix Nutz

*Institute of Archaeologies, Langer Weg 11*

**20:15 Buffet – „Brettljause“ Tyrolian Style (invited)**

**Saturday, 15 Oct. 2016**

**Excursion – South Tyrol Museum of Archaeology (registration required)**

**07:45** Departure Innsbruck to Bozen – South Tyrol Museum of Archaeology

Meeting Point: Marktgraben 2, 6020 Innsbruck

**10:00** Arrival Bozen – Guided Tour, South Tyrol Museum of Archaeology

**12:30** Meeting Point Bus Station

**13:00-15:00** Lunch at Runkelstein Castle (invited)

**15:00-17:00** Guided Tour Runkelstein Castle

**17:30** Departure Bozen to Innsbruck

**19:30-20:00** Arrival Innsbruck

**Sunday, 16 Oct. 2016**

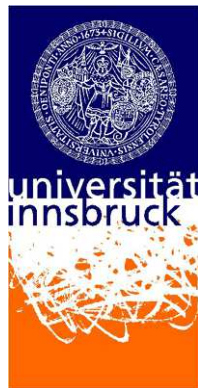
**Day of Departure**

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