

Program Summary

TUESDAY 4 MARCH 2008

5:00 - 8:00pm **Icebreaker, Check in, & Registration** RL-1 Rm. 269
(Hors d'oeuvres, wine, lemonade, and water will be served; load presentations onto computer; put up posters)

WEDNESDAY 5 MARCH

8:00 – 8:40am **Check-in & Registration** RL-3 Rm. 620
(load presentations onto computer)

8:45 **Workshop Welcome & Introduction** RL-3 Rm. 620

9:00 **The Circumarctic I** “

9:45 Morning Break “

10:00 **The Circumarctic II** “

10:45 Morning Break “

11:00 **The Circumarctic III** “

11:45 LUNCH (meal not provided) your choice

1:15pm **Alaska I** RL-3 Rm. 620

2:15 Afternoon Break “

2:30 **Alaska II** “

3:15 Afternoon Break “

3:30 **Communicating Climate Change** “

4:00 Afternoon Break “

4:15 **Mini-course: Working with the News Media** “

5:30 End of Day “

5:45 – 7:30 Student Pizza and Beer Party RL-1 Rm. 269
(students only)

THURSDAY 6 MARCH

8:45am **Western Canadian Arctic** RL-3 Rm. 620

10:00 Morning Break “

10:15 **Posters I (odd numbered posters)** RL-1 2nd floor

11:45 LUNCH (provided) “

12:45pm **Central & Eastern Canadian Arctic I** RL-3 Rm. 620

2:00 Afternoon Break “

2:15 **Central & Eastern Canadian Arctic II** “

3:15 Afternoon Break “

3:30 **Greenland & Iceland** “

4:30 End of Main Sessions

4:45 Bus Pickup at INSTAAR

5:15 Bus Pickup at Best Western Boulder Inn

5:30 **Workshop Dinner Provided** University Memorial
(Hors d'oeuvres, meal, beer, wine, lemonade) Center (UMC) on
campus. Rm. 235

6:00 **Dinner Keynote: Jim White** UMC Rm. 235
“IPY: It's not just a year, it's a responsibility”

9:00 Bus from UMC to Best Western Boulder Inn “

Program Summary

FRIDAY 7 MARCH 2008		
8:45am	North Atlantic & Arctic Ocean I	RL-3 Rm. 620
9:30	Morning Break	“
9:45	North Atlantic & Arctic Ocean II	“
10:30	Morning Break	“
10:45	Posters II (even numbered posters)	RL-1 2 nd floor
12:15	LUNCH (provided)	“
1:15pm	European Arctic	RL-3 Rm. 620
2:15	Afternoon Break	“
2:30	The Alpine	“
3:15	Workshop Wrap Up	“
3:30	End of Meeting. <i>Thanks for coming!</i>	“

See you in 2009 at Bates College, Maine...

Notes

Program Details

PM - TUESDAY 4 MARCH 2008

- 5:00 to **Icebreaker, Check in, & Registration**
8:00pm Hors d'oeuvres, wine, lemonade, and water will be served; load presentations onto computer; put up posters.

AM - WEDNESDAY 5 MARCH 2008

- 08:00am **Check-in & Registration**
(Load presentations onto our computer)
INSTAAR Auditorium, Bldg. RL-3, Rm. 620
- 08:45 **Workshop Welcome & Introduction**
Jim White (INSTAAR Interim Director)
Anne Jennings (INSTAAR, Arctic Workshop)

The Circumarctic I

Wed. am Chair: Anne Jennings

- 09:00 **THE CONTRIBUTION OF CLOUD AND RADIATION ANOMALIES TO THE 2007 ARCTIC SEA ICE EXTENT MINIMUM**
Kay, Jennifer E; L'Ecuyer, Tristan; Gettelman, Andrew; Stephens, Graeme; O'Dell, Chris
- 09:15 **20TH CENTURY RUSSIAN SEA ICE EXTENTS FROM OBSERVATIONS**
Mahoney, Andy R; Barry, Roger G; Smolyanitsky, Vasily M; Fetterer, Florence
- 09:30 **IMPRINT OF THE ATLANTIC MULTIDECADAL OSCILLATION ON THE ARCTIC SEA ICE-CLIMATE SYSTEM**
Miles, Martin W.; Divine, Dmitry; Furevik, Tore; Jansen, Eystein; Moros, Matthias; Ogilvie, Astrid E. J.
- 9:45 ☕ Morning Break

The Circumarctic II


Wed. am Chair: Caspar Ammann

- 10:00 **APPLICATION OF SELF-ORGANIZING MAPS (SOMS) TO CREATE A SYNOPTIC CLIMATOLOGY OF THE NORTH ATLANTIC REGION: ANALYSIS OF STORM TRACKS AND PRECIPITATION OVER GREENLAND**
Schuenemann, Keah C.; Cassano, John J.
- 10:15 **WHY THE ARCTIC REGIONS ARE OF INTEREST TO SPACE PHYSICISTS**
Denig, William F
- 10:30 **TRENDS AND SNAPSHOTS FROM 30 YEARS OF MONITORING AT THE NOAA BARROW, ALASKA, ATMOSPHERIC BASELINE OBSERVATORY**
Schnell, Russ C.; Endres, Daniel J.; Vasel, Brian A.
- 10:45 ☕ Morning Break

AM - WEDNESDAY 5 MARCH 2008

The Circumarctic III


Wed. am Chair: Caspar Ammann

- 11:00 **ARE ARCTIC RIVERS UNIQUE AND ARE THEY CHANGING?**
Overeem, Irina; Syvitski, James PM; Kettner, Albert J
- 11:15 **SIMULATING THE CLIMATE OF THE ARCTIC DURING THE LAST MILLENNIUM IN A COUPLED CLIMATE MODEL INCLUDING DATA ASSIMILATION**
Crespin, Elisabeth; Goosse, Hugues; Fichefet, Thierry; Mann, Michael E.
- 11:30 **GLACIER VARIATIONS DURING THE LAST 2000 YEARS IN THE HIGH LATITUDES OF THE NORTHERN HEMISPHERE: COMPARISON WITH OTHER CLIMATIC PROXIES**
Solomina, Olga N; Wiles, Gregory
- 11:45  **LUNCH (meal not provided)**

PM - WEDNESDAY 5 MARCH 2008

Alaska I

Wed. pm Chair: Darrell Kaufmann

- 1:15 **COASTAL EROSION SINCE 1950 ALONG THE SOUTHEAST CHUKCHI SEA, ALASKA, BASED ON BOTH GIS AND FIELD MEASUREMENTS**
Manley, William F; Jordan, James W; Lestak, Leanne R; Mason, Owen K; Parrish, Eric G; Sanzone, Diane M
- 1:30 **SYNOPTIC-SCALE DRIVERS OF LOCAL-SCALE WEATHER EVENTS ON MCCALL GLACIER, ALASKA**
March, Jennifer R; Atkinson, David E.
- 1:45 **RESULTS OF GLACIER-MONITORING IN SOUTH-CENTRAL ALASKA DURING THE 1999-2007 PERIOD, USING OBLIQUE-CONVERGENT AERIAL PHOTOGRAMMETRY AS THE SURVEY METHOD**
Gleitsmann, Lars; Kappas, Martin
- 2:00 **A NEOGLACIAL AND LITTLE ICE AGE CHRONOLOGY FROM THE CASTNER GLACIER IN THE CENTRAL ALASKA RANGE, ALASKA**
Howley, Michael W; Licciardi, Joseph M
- 2:15  Afternoon Break

Alaska II

Wed. pm Chair: Darrell Kaufmann

- 2:30 **SEDIMENTARY RECORDS OF RECENT HYDROCLIMATE DYNAMICS IN SOUTHWEST ALASKA: LINKING PROCESS STUDIES AND VARVE SEDIMENTOLOGY**
Kaufman, Claire; Lamoureux, Scott; Kaufman, Darrell
- 2:45 **A MODERN SURVEY AND HOLOCENE RECORD OF LAKE WATER AND DIATOM ISOTOPES FROM SOUTH ALASKA**
Schiff, Caleb J; Kaufman, Darrell S

PM - WEDNESDAY 5 MARCH 2008

Alaska II continued

Wed. pm Chair: Darrell Kaufmann

3:00 **QUANTITATIVE SUMMER-TEMPERATURE RECONSTRUCTIONS FROM ALASKA: SPATIAL AND TEMPORAL VARIATION DURING THE HOLOCENE**
Clegg, Benjamin F; Clarke, Gina; Wolfe, Kevin; Chou, Michael; Walker, Ian R; Hu, Feng Sheng

3:15 ☕ Afternoon Break

Communicating Climate Change

Wed. pm Chair: Yarrow Axford

3:30 **BRINGING POLAR CLIMATE CHANGE TO THE PUBLIC WITH OUTREACH FILMS: "OWNING THE POLAR CRISIS" AND "POLAR VISIONS"**
Vachon, Ryan; Buhr, Susan; Welker, Jeffery

3:45 **COMMUNICATING CLIMATE UNCERTAINTIES**
Averill, Marilyn

4:00 ☕ Afternoon Break

Mini-course: Working with the News Media

Wed. pm Chair: Yarrow Axford

4:15 **MINI-COURSE: WORKING WITH THE NEWS MEDIA**

Organizers: **Axford**, Yarrow; **Reed**, Sasha; **Rosner**, Hillary; **Townsend**, Alan; **Yulsman**, Tom

This one-hour and 15 minute course will provide tips and tools for working successfully with the news media.

Scientists are increasingly expected to communicate our results to the public, and journalists often act as intermediaries. Media coverage of science has many potential rewards – for individual scientists, for our profession, and for society. Yet some of us are hesitant to talk with journalists because we worry about being misrepresented or misunderstood. Fortunately, by understanding what journalists are looking for – and spending a little time preparing for interviews – we can help make news coverage both accurate and evocative.

Two Boulder journalists will provide advice: Tom Yulsman, a science and environmental journalist, is associate professor of journalism at the University of Colorado and co-director of CU's Center for Environmental Journalism. Hillary Rosner is a freelance science and environmental journalist. She writes for diverse publications including the New York Times and Popular Science, and contributed to Al Gore's book "An Inconvenient Truth."

5:30 End of Day

5:45 to 7:30pm 🍕🍺 **Student Pizza and Beer Party**
(Students only, for student presenters and student non-presenters).
INSTAAR Conference Room, Bldg. RL-1, Rm. 269

AM - THURSDAY 6 MARCH 2008

Western Canadian Arctic

Thurs. am Chair: Bill Manley

- 08:45am **LATE GLACIAL AND HOLOCENE ENVIRONMENTAL CHANGE INFERRED FROM SEDIMENTARY ARCHIVES OF KUSAWA LAKE, BOUNDARY RANGE MOUNTAINS, YUKON, CANADA**
Desloges, Joseph R.; Chow, Nicole; Gilbert, Robert
- 09:00 **THICK LACUSTRINE SEDIMENTARY SEQUENCE IN CHRISTIE ARM, CANADA, SUGGESTS A DYNAMIC SUBGLACIAL PALEOLAKE BENEATH LAURENTIDE ICE SHEET**
Tulaczyk, Slawek; Christoffersen, Poul; Wattrus, Nigel
- 09:15 **HIGH-ENERGY SEDIMENTARY PROCESSES IN KLUANE LAKE, YUKON TERRITORY**
Crookshanks, Sarah; Gilbert, Robert
- 09:30 **SEAFLOOR MUD VOLCANOES: EVIDENCE OF A DYNAMIC BEAUFORT CONTINENTAL SHELF**
Blasco, Steve M.; Shearer, Jim M.; Blasco, Katie A.; Bennett, Robbie
- 09:45 **INSIGHTS ON ATMOSPHERIC STRATIFICATION AND SEASONAL AEROSOL TRANSPORT IN NORTH PACIFIC FROM TRACE METALS IN ICE CORES FROM THE ST. ELIAS MOUNTAINS, YUKON, CANADA**
Gross, Benjamin R H; Kreutz, Karl J; Osterberg, Erich; Handley, Mike; Sneed, Sharon
- 10:00 ☕ Morning Break

Posters I (odd numbered posters)

Thurs. am Chair: Bill Manley

- 10:15 Poster Session Ends at 11:45 with a Lunch (provided)

Paleoceanography - Posters Thurs. am

- 1 RECONSTRUCTION OF SEA SURFACE TEMPERATURES RECONSTRUCTIONS IN NORTHERN HIGH-LATITUDE OCEANS USING PLANKTONIC FORAMINIFERA ON THE 100MM FRACTION**
Husum, Katrine; Hald, Morten; Burhol, Anne
- 3 PALEOENVIRONMENTAL CHANGES DURING THE PAST 2000 YEARS, EVIDENCE FROM KONGSFJORDEN, SVALBARD**
Jernas, Patrycja; Klitgaard-Kristensen, Dorthe
- 5 GEOCHEMICAL AND SEDIMENTOLOGICAL CONSTRAINTS ON THE AERIAL EXTENT OF THE SOUTHERN GREENLAND ICE SHEET DURING THE PENULTIMATE INTERGLACIAL**
Colville, Elizabeth; Carlson, Anders; Beard, Brian; Stoner, Joseph; Hillaire-Marcel, Claude

AM - THURSDAY 6 MARCH 2008

Glacier Fluctuations - Posters Thurs. am

- 7 **SURFACE VELOCITY AND ICE FLUX CHANGES OF THE DYNAMIC CALVING FRONT OF JAKOBSHAVN ISBRAE, WEST GREENLAND**
Stewart, Heather A.M.; Csatho, Bea
- 9 **THE RETREAT OF NORTHERN LAURENTIDE OUTLET GLACIERS IN RESPONSE TO PRONOUNCED WARMING AND ABRUPT COLD SPELLS IN THE EARLY HOLOCENE: AN ANALOG FOR FUTURE GREENLAND ICE SHEET RETREAT?**
Bini, Aaron C; Briner, Jason P; Anderson, Robert S

Paleolimnology - Posters Thurs. am

- 11 **LATE HOLOCENE ENVIRONMENTAL CHANGE AT THREE GLACIER-FED LAKES, SOUTHERN ALASKA**
Kaufman, Darrell S
- 13 **IMPROVING METHODS FOR LOCATING CRYPTOTEPHRA IN MINEROGENIC LACUSTRINE SEDIMENT OF THE CANADIAN HIGH ARCTIC**
Balascio, Nicholas L.; Bradley, Raymond S.; Francus, Pierre
- 15 **A SEARCH FOR CRYPTOTEPHRA IN MINEROGENIC HIGH ARCTIC LAKE SEDIMENTS TO AID IN ESTABLISHING AN ACCURATE VARVE CHRONOLOGY AND LAMINATION THICKNESS RECORD**
Zalzal, Kate S.; Besonen, Mark; Bradley, Raymond S.
- 17 **USING MULTIPLE SURFACE CORES TO TEST THE VARVE THICKNESS-SUMMER TEMPERATURE RELATIONSHIP, NORTHEAST BAFFIN ISLAND, ARCTIC CANADA**
Ridgeway, Monica L; Thomas, Elizabeth K; Noble, James R; Briner, Jason P

Terrestrial Paleoenvironments - Posters Thurs. am

- 19 **PALAEOECOLOGY OF AN ARCTIC PEATHLAND ECOSYSTEM COVERING A TERRACE AT THE MOUTH OF THE GUICHAUD RIVER, SALLUIT, NUNAVIK, CANADA**
Bhiry, Najat; Ouzilleau Samson, David
- 21 **THE POTENTIAL OF MULTI-PROXY STUDIES TO RECONSTRUCT PLIOCENE ARCTIC CLIMATE: TREE-RINGS, ISOTOPES AND MOLLUSKS TO NAME A FEW**
Csank, Adam Z
- 23 **CLIMATE-FORCING OF TREE-GROWTH ACROSS THE FOREST-TUNDRA OF NORTHEASTERN MANITOBA**
Mamet, Steven D.; Kershaw, G. Peter

Ecosystem Dynamics - Posters Thurs. am

- 25 **INTRODUCTION OF NONINDIGENOUS PLANTS TO ALASKA'S SEWARD PENINSULA: A CONSEQUENCE OF NEW REINDEER MANAGEMENT STRATEGIES?**
Worker, Suzanne; Finstad, Greg

AM - THURSDAY 6 MARCH 2008

Permafrost Geomorphology - Posters Thurs. am


- 27 **MONITORING OF FROST HEAVE AND THAW SUBSIDENCE ON THE NORTH SLOPE OF ALASKA**
Streletskiy, Dmitry A.; Nelson, Frederick E.; Shiklomanov, Nikolay I.

Climatology & More - Posters Thurs. am

- 29 **LONG-TERM ATMOSPHERIC BASELINE OBSERVATORIES IN THE ARCTIC: BARROW, ALASKA AND SUMMIT, GREENLAND**
Vasel, Brian A; Schnell, Russell C
- 31 **ENERGY MOISTURE BALANCE MODEL SIMULATIONS OF LAURENTIDE ICE SHEET MASS BALANCE RESPONSES TO EARLY HOLOCENE ENHANCED BOREAL SUMMER INSOLATION**
Obbink, Elizabeth A.; Carlson, Anders E.; Anslow, Faron; LeGrande, Allegra; Licciardi, Joseph

Collaboration & Outreach - Posters Thurs. am


- 33 **BRINGING ARCTIC RESEARCH BACK TO THE CLASSROOM: A MODEL FOR TURNING FIELD DATA AND EXPERIENCES INTO CLASSROOM LESSONS TO ACHIEVE MEANINGFUL BROADER IMPACTS**
Roop, Heidi A; Kane, Maggie; Werner, Al

- 11:45  **LUNCH (Provided)**
INSTAAR Conference Room, Bldg. RL-1, Rm. 269

PM - THURSDAY 6 MARCH 2008

Central & Eastern Canadian Arctic I

Thurs. pm Chair: Giff Miller

- 12:45 **SEASONAL HYDROCLIMATIC VARIABILITY AND LIMNOLOGY IN TWO ADJACENT HIGH ARCTIC WATERSEHDS: CAPE BOUNTY, MELVILLE ISLAND, NUNAVUT**
Stewart, Kailey A; Lamoureux, Scott F
- 1:00 **SENSITIVITY OF HIGH ARCTIC LAKE-ICE CONDITIONS TO CLIMATE CHANGE**
Cook, Timothy; Bradley, Raymond
- 1:15 **SEDIMENTARY PELLETS AS AN ICE COVER PROXY IN LAKE A, ELLESMERE ISLAND, CANADA**
Tomkins, Jessica D.; Lamoureux, Scott F.; Antoniadou, Dermot; Vincent, Warwick F.
- 1:30 **STRATIGRAPHIC ANALYSIS OF A COMPLEX BIOLAMINATED SEDIMENTARY SEQUENCE FROM A COASTAL HIGH ARCTIC LAKE**
Chutko, Krystopher J.; Lamoureux, Scott F.
- 1:45 **ANNUAL SEDIMENTATION IN AN ARCTIC GLACIER-FED LAKE: RESULTS FROM THE SVALBARD REU, SVALBARD, NORWAY**
Werner, Al; Roof, Steve; Retelle, Mike; Cobin, Patricia; Arnold, Megan; Moore, Matt
- 2:00  Afternoon Break

PM - THURSDAY 6 MARCH 2008

Central & Eastern Canadian Arctic II

Thurs. pm Chair: Jason Briner

- 2:15 **LATE HOLOCENE CLIMATE CHANGE INFERRED FROM VARVED PROGLACIAL LAKE SEDIMENTS ON NORTHEASTERN BAFFIN ISLAND, ARCTIC CANADA**
Thomas, Elizabeth K; Briner, Jason P
- 2:30 **DETECTING THE UNSEEN: A NEW ANALYTICAL APPROACH TOWARDS THE IDENTIFICATION OF CRYPTOTEPHRAS IN DISTAL LACUSTRINE ARCHIVES**
Schupack, Benjamin B.; Miller, Gifford H.; Larsen, Darren J.
- 2:45 **ESTIMATING ABOVE-GROUND BIOMASS IN HIGH AND MID ARCTIC TUNDRA ECOSYSTEMS WITH HIGH SPATIAL RESOLUTION REMOTELY SENSED DATA**
Atkinson, David M; Treitz, Paul M
- 3:00 **LONG-TERM DYNAMICS OF A MILLENNIAL SPRUCE FOREST AT TREE LINE: CHARCOAL AND PALEOSOL EVIDENCE**
Auger, Sarah; Payette, Serge
- 3:15 ☕ Afternoon Break


Greenland & Iceland

Thurs. pm Chair: Jason Briner

- 3:30 **SEDIMENTARY ARCHITECTURE OF GLACIO-FLUVIAL FJORD VALLEY FILL: WEST-GREENLAND CASE STUDY**
de Winter, Ilja L; Overeem, Irina; Storms, Joep E.A.
- 3:45 **HOLOCENE POLLEN AND CLIMATE RECORDS FROM SOUTHWESTERN GREENLAND: NEW PERSPECTIVE ON DOCUMENTING LONG-TERM CHANGES IN SYNOPTIC SCALE ATMOSPHERIC CIRCULATION PATTERNS**
Frechette, Bianca
- 4:00 **EVIDENCE OF PERIODICITIES IN HOLOCENE PALEOCLIMATIC PROXIES FROM LAKE HAUKADALSVATN, W-ICELAND**
Olafsdottir, Kristin Bjorg; Geirsdottir, Aslaug; Palsson, Olafur Petur; Miller, Gifford
- 4:15 **WARM TIMES AND COLD TIMES DURING THE HOLOCENE RECONSTRUCTED FROM ICELANDIC LAKE SEDIMENTS**
Miller, Gifford H.; Geirsdottir, Aslaug; Larsen, Darren; Flowers, Gwenn E.; Black, Jessica
- 4:30 End of main Sessions

Workshop Dinner and Keynote

Thurs. pm Chair: Bill Manley

- 4:45 Bus Pickup at INSTAAR, 3100 Marine street, RL-3 north entrance
- 5:15 Bus pickup at Best Western Boulder Inn
- 5:30  **WORKSHOP DINNER PROVIDED**
(Hors d'oeuvres, meal, beer, wine, lemonade, water, etc)
University Memorial Center (UMC), main campus. Rm. 235
- 6:00 Dinner Keynote: Jim White. "IPY: It's not just a year, it's a responsibility"
- 9:00 Shuttle bus from UMC to Best Western Boulder Inn

AM - FRIDAY 7 MARCH 2008

North Atlantic & Arctic Ocean I

Fri. am Chair: Anne Jennings

- 08:45 **AN EAST GREENLAND SOURCE FOR HEINRICH EVENTS IN THE NORTHERN NORTH ATLANTIC**
Farmer, G. Lang; Verplanck, Emily; Dunhill, Gita; Andrews, John
- 09:00 **QUATERNARY FORAMINIFERS FROM IODP ACEX CORE 4C AND ARCTIC SEA-ICE HISTORY**
Cronin, Thomas M; O'Regan, Matt; Smith, Shannon; Eynaud, Frédérique; Jakobsson, Martin
- 09:15 **NORTH ATLANTIC COOLING AND FRESHENING AT 8.2KA DETECTED IN FORAMINIFERAL MG/CA AND D180 RATIOS**
Quillmann, Ursula; Marchitto, Tom M; Andrews, John T; Jennings, Anne E; Dean, Walt E
- 9:30 ☕ Morning Break

North Atlantic & Arctic Ocean II

Fri. am Chair: Anne Jennings

- 09:45 **IRMINGER CURRENT VARIABILITY WEST AND NORTHWEST OF ICELAND DURING THE HOLOCENE**
Olafsdottir, Saedis; Geirsdottir, Aslaug; Jennings, Anne E; Andrews, John T
- 10:00 **UNPRECEDENTED PALEOEANOGRAPHIC CHANGES AROUND 2000 YEARS AGO COMPARED TO THE LAST 17,000 CAL. YR BP INFERRED FROM A BENTHIC FORAMINIFERA FAUNA RECORD FROM THE NORTHERN SVALBARD MARGIN**
Klitgaard-Kristensen, Dorthe; Koc, Nalan; Jennings, Anne
- 10:15 **BOTTOM WATER TEMPERATURES FROM 8000-1600 CAL. YR BP RECONSTRUCTED FROM MG/CA AND $\delta^{18}O$ FROM THE MALANGFJORD, NORTHERN NORWAY**
Rørvik, Kari-Lise; Hald, Morten; Husum, Katrine; Johannesen, Hilde B.; Marchitto, Tom
- 10:30 ☕ Morning Break

AM - FRIDAY 7 MARCH 2008

Posters II (even numbered posters)

Fri. am Chair: Anne Jennings

10:45 Poster Session Ends at 11:45 with a Lunch (provided)

Paleoceanography - Posters Fri. am

- 2 **ADVECTION OF ATLANTIC WATER TO THE WESTERN AND NORTHERN SVALBARD SHELF SINCE 17,500 CAL YR BP**
Koç, Nalan; Klitgaard Kristensen, Dorthe; Rasmussen, Tine L; Slubowska-Woldengen, Marta; Nilsen, Frank; Solheim, Anders
- 4 **HOLOCENE VARIATIONS OF ATLANTIC WATER INFLOW AND GLACIAL ACTIVITY IN KONGSFJORDEN, SVALBARD**
Skirbekk, Kari; Klitgaard-Kristensen, Dorthe; Koç, Nalân; Rasmussen, Tine
- 6 **HOLOCENE MARINE EVIDENCE FOR GIS STABILITY AND THE HISTORY OF JAKOBHAVNS ISBRAE, FROM THE VANTAGE OF DISKO BUGT, WEST GREENLAND**
Jennings, Anne E.; Moros, Matthias; Andrews, John T.

Glacier Fluctuations - Posters Fri. am

- 8 **GLIMS: PROGRESS IN MAPPING THE WORLD'S GLACIERS**
Raup, Bruce H; Khalsa, Siri Jodha Singh; Armstrong, Richard
- 10 **LATE-GLACIAL AND NEOGLACIAL ICE ADVANCE INFERRED FROM A SMALL VALLEY GLACIER IN THE ALASKA RANGE, ALASKA**
Young, Nicolas E; Briner, Jason P

Paleolimnology - Posters Fri. am

- 12 **A 4,000-YR LAKE RECORD OF DROUGHT VARIABILITY FROM SCOUT LAKE, YUKON TERRITORY, CANADA**
Blotzer, Lindsay B; Abbott, M B; Bird, B W; Finney, B P; Oritz, J D; Patterson, W P; Anderson, L
- 14 **DIDYMOSPHEA GEMINATA: THE CORE QUESTION**
Hermann, Anna K; Lane, Kelly A; Pite, Danielle P; Spaulding, Sarah A; Finney, Bruce P
- 16 **RECONSTRUCTING DETAILED PROGLACIAL LAKE SEDIMENTATION USING MULTIPLE CORES FROM BIG ROUND LAKE, NORTHEASTERN BAFFIN ISLAND, ARCTIC CANADA**
Noble, J.R.; Briner, Jason; Thomas, Elizabeth; Ridgeway, Monica
- 18 **RESEARCH AT PINGUALUIT CRATER LAKE, THE "CRYSTAL EYE OF NUNAVIK"**
Pienitz, Reinhard; Hausmann, Sonja; St-Onge, Guillaume; Guyard, Hervé; Salonen, Veli-Pekka; Luoto, Tomi; Francus, Pierre; , and five others

AM - FRIDAY 7 MARCH 2008

Terrestrial Paleoenvironments - Posters Fri. am

- 22 **THE SENSITIVITY OF ARCTIC PALEOCLIMATE TO ATMOSPHERIC CO₂ AND WATER VAPOR: INFERENCES FROM A PLIOCENE PEAT DEPOSIT ON ELLESMERE ISLAND**
Ballantyne, Ashley; Eberle, Jaelyn J; White, James W C; Rybczynski, Natalia; Greenwood, David
- 24 **ASSESSMENT OF THE UTILITY OF DWARF BIRCH, BETULA GLANDULOSA MICHX., FOR SUBARCTIC DENDROECOLOGICAL AND DENDROCHRONOLOGICAL STUDIES**
Suter, Jeff A; Kershaw, G Peter

Ecosystem Dynamics - Posters Fri. am

- 26 **POTENTIAL EFFECTS OF WARMER TEMPERATURES IN MOSS DOMINATED ARCTIC ECOSYSTEMS**
Olivas, Paulo C.; Oberbauer, Steven F.

Permafrost Geomorphology - Posters Fri. am


- 28 **INVESTIGATION OF THE PERMAFROST TABLE THROUGH MULTI-RESOLUTION OBJECT ORIENTED FUZZY ANALYSIS, NORTH SLOPE, ALASKA**
Rich, Justin L; Csatho, Bea

Climatology & More - Posters Fri. am

- 30 **ESTIMATING THE MAGNITUDE OF PAST EXPLOSIVE VOLCANIC ACTIVITY AND ITS CLIMATIC IMPACT IN THE ARCTIC: RESULTS FROM SIMULATIONS WITH THE NCAR COMMUNITY CLIMATE SYSTEM MODEL**
Schneider, David P; Ammann, Caspar; Otto-Bliesner, Bette
- 32 **NORTHERN NARRATIVES: SOCIAL AND GEOGRAPHICAL ACCOUNTS FROM NORWAY, ICELAND AND CANADA (NORSAGA): A PROJECT FOR IPY**
Ogilvie, Astrid E.J.; Patterson, William; Einarsson, Niels; Jonsdottir, Ingibjorg; Nordli, Oyvind

Collaboration & Outreach - Posters Fri. am

- 34 **FACILITATING COLLABORATIVE SCIENTIFIC AND TECHNICAL RESEARCH IN THE ARCTIC SCIENCES AND GEOSCIENCES**
Voevodskaya, Marianna; Robinson, Chris; Meehan Coop, Kathleen

12:15  **LUNCH (Provided)**
INSTAAR Conference Room, Bldg. RL-1, Rm. 269

AM - FRIDAY 7 MARCH 2008

European Arctic

Fri. pm Chair: Al Werner

- 1:15 **HOLOCENE PALEOCLIMATES IN THE NORTH-EUROPEAN TREE-LINE REGION – QUANTITATIVE RECONSTRUCTIONS OF TRENDS AND ABRUPT CLIMATE EVENTS**
Seppä, Heikki; Weckström, Jan
- 1:30 **CLIMATIC CONTROL OVER PEATLAND INITIATION AND LATERAL EXPANSION RATES IN NORTHERN FENNOSCANDIA**
Weckström, Jan; Seppä, Heikki
- 1:45 **DIRECT LICHENOMETRY IN THE JOTUNHEIMEN AND JOSTEDALSBREEN REGIONS, SOUTHERN NORWAY: IMPLICATIONS FOR LICHEN GROWTH RATES AND LICHENOMETRIC DATING**
Trenbith, Hazel E
- 2:00 **UPTAKE OF PULSE INJECTED NITROGEN BY SOIL MICROBES AND MYCORRHIZAL AND NON-MYCORRHIZAL PLANTS IN A SPECIES-DIVERSE SUBARCTIC HEATH ECOSYSTEM**
Andresen, Louise C.
- 2:15 ☕ Afternoon Break

The Alpine

Fri. pm Chair: Al Werner

- 2:30 **ICE CORE ISOTOPES: DO THEY REFLECT CHANGES IN STORM ACTIVITY?**
Lawrence, James R; Gedzelman, Stanley D; Kenneth, Bowman P
- 2:45 **SIGNATURES OF GLACIAL EROSION AND RETREAT IN THE LANDSCAPE: COSMOGENIC AND NUMERICAL MODELING CONSTRAINTS**
Ward, Dylan J.; Anderson, Robert S.; Guido, Zackry S.; Briner, Jason P.
- 3:00 **ENHANCING GLACIER, TEMPERATURE AND PRECIPITATION DATA RECORDS USING POSTGIS, GEOSERVER AND GOOGLE EARTH**
Ballagh, Lisa M.; Fetterer, Florence; Williams, Mark W.
- 3:15 Workshop Wrap Up
- 3:30 End of Meeting. Thanks for coming!

See you in 2009 at Bates College, Maine...