

28TH ANNUAL HAROLD W. BURNS JR. SYMPOSIUM

Conference Schedule

Mondays from 12-1PM

FALL SEMESTER 2020

October 5, 2020

Moderator - Frankie St. Amand

12:00-12:15 PM: Introduction: Dan Sandweiss, Professor, Climate Change Institute & Department of Anthropology; Cooperating Professor, School of Earth and Climate Sciences; Director of School of Policy and International Affairs

12:15-12:30 PM: Natural and Human Contributions to Pre-Monsoon Snow and Stream Chemistry from the Khumbu Region, Nepal
Heather Clifford

12:30-12:45 PM: Causes of a cold bias in MODIS Land Surface Temperatures in the St. Elias Range
Ingvalise Kindstedt

12:45-1:00 PM: Tracking the Southern Hemisphere Westerlies through Paleoclimatic Reconstruction of the Falkland Islands
Meghan Spoth

October 19, 2020

Moderators/Commenters - Scott Braddock, Heather Landazuri, Ian Nesbitt

12:00-12:15 PM: Summary of last sessions talks by CCI graduate students

12:15-12:30 PM: Beyond the Holarctic Comfort Zone: Thermoregulation in a Sundaland Rodent
Ana Breit

12:30-12:45 PM: Food for Thought: Insights into Pre-colonial Canine Diets from the Maine Maritime Peninsula
Abby Mann

12:45-1:00 PM: Exploring Past and Present Beringia to Understand the Mammoth Steppe
Alessandro Mereghetti

October 26, 2020

Moderators/Commenters - Suman Acharya, Vaclava Hazukova, Mariusz Potocki

12:00-12:15 PM: Summary of last sessions talks by CCI graduate students

12:15-12:30 PM: A Design for Loosely Coupled Scientific Applications
Mark Royer

12:30-12:45 PM: Defining the Anthropocene: Consideration of the Sedimentary Archive in Herd Lake Idaho, USA for the GSSP 'Golden Spike' of the Human Epoch

Joseph Mohan

November 2, 2020

Moderators/Commenters - Aaron Chesler, Ann Hill, Elizabeth Leclerc

12:00-12:15 PM: Summary of last sessions talks by CCI graduate students

12:15-12:30 PM: Mollusk Bivalves as El Niño-Southern Oscillation (ENSO) Proxies

Frankie St. Amand

12:30-12:45 PM: Coupled Model Sea Surface Temperature Biases and Their Influence on Tropical Cyclone Environmental Conditions in an Atmospheric General Circulation Model

Hunter Tubbs

12:45-1:00 PM: A Key to Past Ocean Temperatures: Mg/Ca of Foraminiferal Calcite in the North Atlantic (N. incompta)

Madelyn Woods

November 16, 2020

Moderators/Commenters - Edna Pedraza Garzon, Maraina Miles, Peter Strand

12:00-12:15 PM: Summary of last sessions talks by CCI graduate students

12:15-12:30 PM: New Kid on the Block: El Niño Modoki- Past, Present, Future

Heather Landazuri

12:30-12:45 PM: Post-Glacial Sedimentary Architecture and Accumulation Rate of an Oligotrophic Lake in Central Maine, USA

Ian Nesbitt

12:45-1:00 PM: Mechanisms for Glacier Acceleration of the Southern Patagonian Icefield, Chile

Scott Braddock

November 23, 2020

Moderators/Commenters - Emily Blackwood, Joseph Mohan, Mark Royer

12:00-12:15 PM: Summary of last sessions talks by CCI graduate students

12:15-12:30 PM: World's Highest Ice Core – Collection, Sampling and Preliminary Results

Mariusz Potocki

12:30-12:45 PM: Under Ice and Early Summer Phytoplankton Dynamics in Two Arctic Lakes with Differing DOC

Václava Hazuková

12:45-1:00 PM: Review on the Roles of Renewable Energy Technologies in Climate Change Adaptation and Mitigation Among Rural Communities of Nepal
Suman Acharya

November 30, 2020

Moderators/Commenters - Ana Breit, Abby Mann, Alessandro Mereghetti

12:00-12:15 PM: Summary of last sessions talks by CCI graduate students

12:15-12:30 PM: Modelling Paleohydrology in the Coastal Andes to Improve Archaeological Conceptions of Water Availability
Elizabeth Leclerc

12:30-12:45 PM: Surface Changes Across the McMurdo Ice Shelf, Antarctica
Ann Hill

12:45-1:00 PM: Decoupled Acid Reactive and Biologically Relevant Fe Concentrations During Termination 1 in the South Pole Ice Core
Aaron Chesler

December 7, 2020

Moderators/Commenters - Heather Clifford, Ingalise Kindstedt, Meghan Spoth

12:00-12:15 PM: Summary of last sessions talks by CCI graduate students

12:15-12:30 PM: The Last Glaciation and Termination Documented in the Southern Alps of New Zealand and the Altai Mountains of Western Mongolia
Peter Strand

12:30-12:45 PM: Differences Between Land-Terminating Glaciers and Marine-Terminating Glaciers Since the Last Glacial Maximum in the Royal Society Range, Antarctica
Maraina Miles

12:45-1:00 PM: Advances in Aulacoseira Ecology to Reconstruct Alpine Climate
Edna Pedraza Garzón

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SPRING SEMESTER 2021

January 25, 2021

Moderators/Commenters - Frankie St. Amand, Hunter Tubbs, Madelyn Woods

12:00-12:15 PM: Summary of last sessions talks by CCI graduate students

**12:15-12:30 PM: Virtual Reality and the Archaeological Record: Reconstruction of the Ostra
Collecting Station**

Emily M. Blackwood

**12:30-12:45 PM: Vertical Phytoplankton Gradients from Under-Ice to Open Water in Lakes of
Acadia National Park**

Matthew J. Farragher

February 8, 2021

Moderators/Commenters - Emma Erwin, Lela Gadrani, Meredith Helmick,

Paloma Henriques, Andrea Tirrell

12:00-12:15 PM: Summary of last sessions talks by CCI graduate students

**12:15-12:20 PM: Pollution Tracing in the North Pacific: A Lead Isotope Story From Mt. Hunter,
Alaska**

Hanna Brooks

12:20-12:25 PM: Assessing Heat Stress and Drought Impacts on Maine Blueberry Production

Carly Frank

**12:25-12:30 PM: Roque Island Group and Holmes Point: A Comparative Study of Archaeological
Ceramics in Downeast Maine**

Matthew James

12:30-12:35 PM: Modeling River Restoration Projects

Mark Jordan

**12:35-12:40 PM: Oh, The Places They'll Go: A Quantitative, Macroecological Assessment of Tree
Species Range Shifts**

Bailey McLaughlin

February 22, 2021

Moderators/Commenters - Hanna Brooks, Matthew James, Carly Frank, Mark Jordan, Bailey McLaughlin

12:00-12:15 PM: Summary of last sessions talks by CCI graduate students

12:15-12:20 PM: Developing Full Stokes Numerical Ice-Flow Models to Better Understand Glaciological Processes at Ice Core Sites in Alaska and Canada
Emma Erwin

12:20-12:25 PM: High-Resolution Laser Ablation Sampling of Allan Hills Blue Ice Area Using CCI KECK Laser System
Lela Gadrani

12:25-12:30 PM: Cryptotephra in South Pole Ice Core
Meredith Helmick

12:30-12:35 PM: Co-Creating Sustainability Metrics with Small Scale Fisheries
Paloma Henriques

12:35-12:40 PM: Assessing the Interconnectedness of Alpine Plant Communities on New England Sky Islands by Comparing Past and Present Distributions and Traits
Andrea Tirrell

12:40-12:55 PM: Why We Deny: Assessing How Modern Factors Eroding Our Trust In Science Are Impacting Climate Policy Development
Doug Hasson

March 1, 2021

Moderator - Brenda Hall

12:00-1:00 PM: The Land-Based Carbon Budget: Piecing Together the Puzzle From Observations, Measurements, and Models at Multiple Scales in Time and Space
Daniel Hayes - Guest Speaker
Associate Professor of Geospatial Analysis & Remote Sensing
Director, Barbara Wheatland Geospatial Analysis Laboratory
University of Maine

March 8, 2021

Moderators/Commenters - Matthew Farragher, Nicholas Whiteman, and Lynn Kaluzienski

12:00-12:15 PM: Summary of February 22nd talks by CCI graduate students

12:15-12:30 PM: Seabird Establishment During Regional Cooling Drove a Terrestrial Ecosystem Shift 5000 Years Ago
Jacquelyn Gill

12:30-12:45 PM: Arctic NRT Program

Jasmine Saros

March 15, 2021

Moderator - Marcella Sorg

12:00- 1:00 PM: Water, Sanitation, and Inuit Health in Nunavut, Canada

Kiley Daley - Guest Speaker

Research Associate

Margaret Chase Smith Policy Center

University of Maine

March 22, 2021

Moderators/Commenters - Andrea Tirrell and Elizabeth Leclerc

12:00-12:15 PM: Summary of March 8th talks by CCI graduate student

12:15-12:30 PM: Examining Fluid v. Solid Interactions With Smoothed Particle Hydrodynamics

Nicholas Whiteman

12:30-12:45 PM: Modeling Ross Ice Shelf Sensitivity to Changes Along Its Western Lateral Margin

Lynn Kaluzienski

March 29, 2021

Moderators/Commenters - Lela Gadrani and Matthew James

12:00-12:15 PM: Summary of March 22nd talks by CCI graduate students

12:15-12:30 PM: Stable Water Isotope and Snow Accumulation Records From North Pacific Ice Cores

Dominic Winski

12:30-12:45 PM: Biodiversity and Climate Change - What Has Happened? What Will Happen?

Brian McGill

April 5, 2021

Moderators/Commenters - Nicholas Whiteman and Lynn Kaluzienski

12:00-12:15 PM: Summary of March 29th talks

12:15-12:30 PM: Climate Context for Maine's 2020 Drought

Sean Birkel

12:30-12:45 PM: Effects of the Maine 2020 Drought on Agriculture Producers

Rachel Schattman

April 12, 2021

Moderators/Commenters - Paloma Henriques and Elise Gudde

12:00-12:15 PM: Summary of April 5th talks

12:15-12:30 PM: What Comparative Genomics Can Tell Us About Mammalian Responses to Climate Change

Danielle Levesque

12:30-12:45 PM: Recent Investigations of Early Ceramics at the Turner Farm Site, North Haven Island, Maine

Bonnie Newsom

12:45-1:00 PM: Saving the Adaptation Fund: Defending Justice Based Norms in Climate Finance Post-Paris

Cynthia Isenhour

April 19, 2021

Moderators/Commenters - Elizabeth Leclerc

12:00-12:05 PM: Introduction of speaker

12:05-1:00 PM: The Origins of Amazonian Landscapes

S. Yoshi Maezumi - Guest Speaker

Marie Curie Fellow University of Amsterdam

Honorary Research Fellow University of Exeter

National Geographic Explorer

April 26, 2021

12:00-12:55 PM: EID Panel Discussion

May 3, 2021

12:00-1:00 PM: Climate Risks and Responses in the Gulf of Maine: A New Climate Center to Support Regional Solutions

David Reidmiller - Guest Speaker

Director, Climate Center Gulf of Maine Research Institute