

# **THE ARCTIC FORUM 2003**

28-29 April 2003

Room: Salon B

## **Fifteenth Annual Meeting of ARCUS**

27-30 April 2003

Doubletree Hotel Crystal City

Arlington, Virginia

### **Tentative Program**

#### **Monday afternoon, 28 April 2003**

1:00 p.m.      Welcome and Introductions      Arctic Forum Co-Chairs: Igor Krupnik  
F. Stuart Chapin

#### **Responding to Global Change: Resilience and Vulnerability in the Arctic Systems**

Session chair: F. Stuart Chapin

1:10 p.m.      The U.S. Climate Change Science Program and its Relevance to the Arctic  
James R. Mahoney  
Director of the United States Climate Change Science Program  
Assistant Secretary of Commerce for Oceans and Atmosphere  
and Deputy NOAA Administrator

1:50 p.m.      Building Resilience in the Arctic: Cross-scale Institutions and Traditional  
Environmental Knowledge  
Fikret Berkes  
Natural Resources Institute  
University of Manitoba

2:20 p.m.      Rapid shifts in the Arctic system: Implications for resilience of physical,  
natural and human components  
John Walsh  
International Arctic Research Center  
University of Alaska/Fairbanks

2:50 p.m.      BREAK

3:15 p.m.      We Are Sugpiaq: Archaeology, Environment, and Oral Traditions of the Outer  
Kenai Coast, Alaska  
Aron Crowell  
Arctic Studies Center  
Smithsonian Institution

3:45 p.m.      "The Earth is Faster Now" or Have We Seen These Warm Weathers Before?  
*Arctic People Experiencing Rapid Climate Change*  
Igor Krupnik  
Arctic Studies Center  
Smithsonian Institution

***The ARCUS Award For Arctic Research Excellence***

- 4:15 p.m. Introduction Session Chair: Timothy Boyd  
Oregon State University
- 4:30 p.m. Interdisciplinary Research: *Interactions Between Carbon and Nitrogen Mineralization and Soil Organic Matter Chemistry in Arctic Tundra Soils*  
Michael Weintraub  
Department of Ecology, Evolution, and Marine Biology  
University of California Santa Barbara
- 4:50 p.m. Social Sciences: *Women's Participation in Self Government Negotiations in the Northwest Territories, Canada*  
Stephanie Irlbacher Fox  
Scott Polar Research Institute  
University of Cambridge
- 5:10 p.m. Physical Sciences: *Impact of an Extreme Melt Event on the Hydrology and Runoff of a High Arctic Glacier*  
Sarah Boon  
Department of Earth and Atmospheric Sciences  
University of Alberta
- 5:30 p.m. Life Sciences: *Geographic Distribution and Seasonal Patterns of Larval Shedding of the Muscle-Dwelling Nematode Parelaphostrongylus odocoilei in Thinhorn Sheep from Northern North America*  
Emily Jenkins  
Department of Veterinary Microbiology  
University of Saskatchewan
- 5:50 p.m. Comments on the Award for Arctic Research Excellence Timothy Boyd
- 6:00 p.m. Poster Session: Presenting Arctic Science Session Chair:  
(Hosted Bar and Reception begin)

***ARCUS Annual Reception and Banquet***

Reception: 6:00 p.m. — Salon A  
Banquet: 7:30 p.m. — Potomac Room

**Award Ceremony**

*ARCUS Award for Arctic Research Excellence*

**Special Presentation**

Trond Woxen  
*Henrik Ibsen and the Environment*

The Father of the Modern Drama, Henrik Ibsen, is known for deep psychological insights into his characters. However, some of his plays (and other writings) also focus on environmental issues. These issues have mostly been overlooked. In this presentation, Ibsen's concern with the environment will be explored.

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#### Tuesday, 29 April 2003

8:00 a.m. Continental Breakfast

8:30 a.m. Welcome and Introductions Arctic Forum Co-Chairs: Igor Krupnik  
F. Stuart Chapin

#### Responding to Global Change: Resilience and Vulnerability in the Arctic Systems

Session chair: Igor Krupnik

8:35 a.m. The Cumulative Environmental Effects of Oil and Gas Activities  
on Alaska's North Slope Gordon Orians  
Department of Zoology  
University of Washington

9:15 a.m. Resilience and Change in Arctic Terrestrial Ecosystems:  
A Key Role in the Arctic System F. Stuart Chapin  
Institute of Arctic Biology  
University of Alaska Fairbanks

9:45 a.m. Suffering and Solace: Vulnerability and Resilience to Environmental Change  
in Northern Iceland c. AD 1700-1900 Astrid Ogilvie  
Institute of Arctic and Alpine Research  
University of Colorado

10:15 a.m. BREAK

10:45 a.m. ***How will the challenges posed by global changes be met by society?***  
Panel Discussion Moderator: Daniel Mann, University of Alaska Fairbanks

- Taqulik Hepa, Department Wildlife Management, Alaska North Slope Borough
- Charles Johnson, Alaska Nanuuq Commission
- Chris Kearney, Deputy Assistant Secretary for Policy and International Affairs, U.S. Department of the Interior
- Mike Kunz, Northern Field Office, Bureau of Land Management, U.S. Department of the Interior
- Roger Simmons, Consul General of Canada

- 12:15 p.m. LUNCH
- 2:00 p.m. *Sila Alangotok: Inuit Observations on Climate Change*  
(This 14-minute video documents the changes being witnessed by the Inuvialuit of Sachs Harbour, Canada, who have lived on the land and have learned its patterns for generations.)
- 2:15 p.m. We Will Change If We Can, If We Have To: What *Inuit Qaujimagajatuqangit* and Western Scientific Knowledge Tell us About Resiliency and Vulnerability of a People Living with Climate Change and Caribou  
Natasha Thorpe  
Tuktu and Nogak Project, Canada
- 2:45 p.m. Working Together: Cooperation in the Production and Distribution of Wild Food in Alaska  
James Magdanz  
Division of Subsistence  
Alaska Department of Fish and Game
- 3:15 p.m. Alaska Native Subsistence Life Ways Rely on Healthy Ocean Ecosystems  
George Owletuck  
Anchorage, Alaska
- 3:45 p.m. BREAK
- 4:00 p.m. Microorganisms in Arctic Sea Ice Environments and Their Resilience and Vulnerability to Climate Variations and Change  
Hajo Eicken  
Geophysical Institute  
University of Alaska Fairbanks
- 4:30 p.m. Simulation Modeling and Local Communities: Lessons Learned from Assessing Resilience in a Cross-Cultural Setting  
Gary Kofinas  
Institute of Arctic Biology  
University of Alaska Fairbanks
- 5:00 p.m. Synthesis and Summary of Issues  
Fikret Berkes, Discussant  
Mark Serreze, Discussant
- 5:30 p.m. Adjournment