



4TH HARSH WEATHER CANADA SUMMIT 2008

Unlocking the Arctic; from the Bering Strait to the
Barents Sea

November 4 & 5, 2008
Calgary, Canada

Venue:

The Westin Calgary
320 4th Avenue SW
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E n e r g y W i s e
Events for the oil & gas sector

Monday November 3, 2008

Ice breaker reception 18:00 – 19:30

Tuesday November 4, 2008

Unlocking the Arctic I

Session chairman: Dr. Benoit Beauchamp, Executive Director, Arctic Institute of North America

08.00-09.00 Registration & light refreshments

09.00-10.30 **Back to the future: arctic scenarios for 2030 – 2040**
Mr. Bjørn Brunstad, Partner, ECON

Some harsh ice phenomena for the Shtokman gas-condensed field

Dr. Yuri Gudoshnikov, Chief of the Arcticshelf Laboratory, Arctic and Antarctic Research Institute (AARI)

10.30 – 11.00 Refreshments and networking

Transportation and infrastructure

Session chairman: Mr. Andrew Crichton, Deputy Managing Director, EnergyWise

11.00-12.30 **How viable is it bringing Shtokmanskoy gas to North America?**
Mr. Gerard Kreeft, Managing Director, EnergyWise

Bringing Shtokman gas to North America

Mr. Juri Otsason, Vice President Gas Pipeline Development, Enbridge

Luncheon key note speaker: Ms. Jennifer Niven



Author of "The Ice Master".

In 1909, acclaimed Arctic explorer Captain Robert A. Bartlett, master of the S.S. Roosevelt, guided Admiral Robert E. Peary on his North Pole discovery expedition.

On the eve of the 100th anniversary of this historic trek to the Arctic, The Ice Master is an account of Bartlett's epic rescue of the survivors of H.M.C.S. Karluk from its ill-fated 1913 scientific expedition to the Arctic - lessons learned and precedents for today's explorers!

12.30 - 14.00 Lunch sponsored by **StatoilHydro**

Transportation and infrastructure (continued)

Session chairman: Mr. Arild Moe, Deputy Director, Fridtjof Nansens Institute

14.00–15.15 **From FPSO to the next generation: floating LNG**
Mr. Ian Fraser, Gas Services Manager, Teekay Gas Services

Engineering/environmental issues during offshore operations in changing arctic regions

Dr. Malcolm Lowings, Principal and Leader, Northern Action Plan and Circum-Arctic Services, Golder Associates

15.15 – 15.45 Refreshments and networking

15.45-17.00 **The economics of high arctic gas development**
Dr. Peter Howard, Vice President Research, Canadian Energy Research Institute (CERI)

Design challenges with arctic offshore pipelines

Dr. Michael Paulin, President and CEO, IMV Projects Atlantic

Frontier exploration in Greenland

Dr. Michael Watts, Exploration and New Business Director, Cairn Energy

17.30 – 19.00 Reception

Wednesday November 5, 2008

Unlocking the Arctic II

Session chairman: Mr. Tim Moore, Senior Mechanical Engineer,
Oceanic Consulting Corporation

09.00-10.30

Understanding the Barents Sea region

Mr. Arild Moe, Deputy Director, Fridtjof Nansens Institute

Energy potential, current issues and future development in the Canadian Arctic

Dr. Benoit Beauchamp, Executive Director, Arctic Institute of North America

10.30-11.00 Refreshments and networking

Sub-surface processing

Session chairman: Mr. Gerard Kreeft, Managing Director, EnergyWise

11.00-12.30

Åsgard and Snøhvit, lessons learned

Mr. Torger Rød, Project Manager, StatoilHydro

Advances in ice and iceberg technology and their impact on subsea solutions

Dr. Charles Randell, President and CEO, C-CORE

Development of an ice simulator

Mr. Tim Moore, Senior Mechanical Engineer, Oceanic Consulting Corporation

12.30 - 14.00 Lunch

Sub-surface processing (continued)

14.00-16.00

ROV Technology – its relevance to subsea development initiatives

Mr. Richard Frisbie, Senior Vice President Technology,
Oceaneering

Extended reach drilling; status and challenges

Mr. Kevin Brown, Extended Reach Drilling Domain Champion,
Schlumberger

Petroleum resources and resource potentials of the Canadian Arctic Archipelago, its oceanic margins and the conjugate margin of western Greenland.

Mr. Kirk Ozadetz, Head of Laboratory Services, Natural Resources Canada

-End of summit-