

3rd Top of the World Arctic Broadband Summit

JUNE 27-28, 2018 SAPPORO, JAPAN

PROGRAM





北海道経済同友会
HOKKAIDO COMMITTEE FOR
ECONOMIC DEVELOPMENT

TOW Arctic Broadband Summit Venue

Hokkaido University (Small auditorium (1F))
Address: Sapporo, Kita-ku, Kita 8, Nishi 5

TUESDAY JUNE 26, 2018

19:00 –
20:30

NxtVn Icebreaking Event

The conference will be kicked off with a networking cocktail the evening before the official opening.

Venue: Keio Plaza Hotel

Address: Sapporo, Chuo-ku, Kita 5, Nishi 7. Plaza Hall, B1

NxtVn[®]

Nxt Generation Digital Infrastructure
☑ Land ☑ Power ☑ Connectivity ☑ Ready™!



Winter in Sapporo.

PROGRAM – WEDNESDAY JUNE 27

WEDNESDAY JUNE 27, 2018

Facilitator: Anu Fredrikson, Director, AEC Secretariat

9:00	Registration & coffee Venue: University of Hokkaido
9:30	Welcome & Opening Remarks <ul style="list-style-type: none">• Tero Vauraste, AEC Chair; President & CEO of Arctia Ltd.• Toyoharu Nawa, President, Hokkaido University• Junji Ishii, Chairman of Hokkaido Committee for Economic Development; Chairman, North Pacific Bank Ltd.
10:00	Panel I: (Subsea) data cables <p>One of the factors driving the Arctic's future is global digitalization. Without access to affordable and stable broadband, the rural parts of the Arctic will be left behind of the development brought by digitalization. But if realized, plans for improved connectivity in or through the Arctic can be a game-changer not just for the region, but also globally. The Arctic has a geographic advantage: uniting 3 continents, it provides the shortest link for data cables, the trading routes of digital economy. What is the status of the planned subsea data cable projects for the Arctic? How can we secure collaboration between the different stakeholders? How can the planned projects serve the needs of the Arctic societies and serve as an enabler for the region's business development?</p> <p>Moderator: Nao Yanagawa, Flower Communications</p> <ul style="list-style-type: none">• Aki Uljas, Business Development Director, Cinia• Kristina Woolston, Vice President External Relations, Quintillion• Yoshio Sato, Senior Manager, NTT Communications• David Tossell, Director of Marine Engineering, Alcatel Submarine Networks tv
11:30	Keynote: Connectivity in the Arctic <ul style="list-style-type: none">• Khaled Sedrak, Founder and CEO, NxtVn Highlight: New Arctic Opportunities <ul style="list-style-type: none">• Heidar Gudjonsson, AEC Vice Chair/Chairman of Board, Vodafone Iceland
12:15	Networking lunch Venue: <i>Hotels Mystays Sapporo Aspen</i>

13:30 Highlight: Arctic Council Task Force on Improved Connectivity in the Arctic (TFICA)

- Marjukka Vihavainen-Pitkänen, co-chair, Arctic Council TFICA

13:45 Panel II: New Opportunities

The growth in data traffic and data centers is phenomenal. It is estimated that in 2017, data centers alone accounted for 7% of electricity usage in the world. They are forecasted to triple in the next 3 years, making the industry by far the single biggest user of electricity. The carbon footprint which follows is growing alarmingly.

Asia has limited energy resources but some of the most advanced ICT networks in the world. Can the Arctic, with its abundance of energy and cold climate, contribute to solving this issue of increased energy demand and search for less polluting means to drive the industry?

The Arctic is also conveniently located between Asia, Europe and North America where over 90% of all economic activity takes place.

What opportunities does improved connectivity bring in terms of ICT and business development? What opportunities does the new digital infrastructure in the Arctic region offer for actors outside the Arctic? And, how is the development of the ICT industry in the Arctic region connected with businesses representing the non-Arctic part of the world?

Moderator: Heidar Gudjonsson, AEC Vice Chair/Chairman of Board, Vodafone Iceland

- Jukka-Pekka Joensuu, Executive Advisor, Cinia
- Hiroyuki Itoh, President, Crypton Future Media
- Masanobu Fujioka, CTO, Ericsson Japan
- Suvi Lindén, Chair, NxtVn Finland
- Professor Tsuyoshi Yamamoto, University of Hokkaido

15:15 Coffee & refreshments

15:30 Departure for site visits

- **Group 1:** Sakura Internet in Ishikari, 50 min drive from Sapporo. Takes 30 people. Tour 90 mins.
- **Group 2:** Infinite Loop and Crypton Future Media in downtown Sapporo. Crypton Future Media

19:00 Reception

Venue: Hotel Mystays Sapporo Aspen

PROGRAM – THURSDAY JUNE 28

THURSDAY JUNE 28, 2018

Facilitator: Anu Fredrikson, Director, AEC Secretariat

8:45 Morning coffee

9:00 **Highlight: Utilizing co-creation as a tool in the Arctic region**

- Janne Eskola, Partner, Director of Corporate Partnerships at Demola Global

9:10 **Senator Lisa Murkowski, Alaska (R)** (video)

9:20 **Highlight: Technical and Socio-Economic Challenges of Good Mobile Connectivity in Remote Arctic Regions**

- Jaap van de Beek, Chair Professor, IEEE Fellow, Luleå University of Technology

9:40 **Panel III: Navigation & Connectivity at Arctic Seas**

The commercial shipping activities in the Arctic are increasing. With more than 60 ships-of-opportunity approaching e.g. the Canadian Arctic next summer and with more than 30 expedition cruise liners under construction, we will see an increased activity at Arctic seas. How can we best ensure situational awareness in the remote Arctic waters? How can new (satellite) technology serve the shipping industry? And what can we learn from those already operating in the Arctic?

Moderator: Tero Vauraste, AEC Chair; President & CEO of Arctia Ltd.

- Yoshikazu Kawagoe, Senior Managing Executive Officer, Mitsui O.S.K. Lines Ltd.
- Sakawa Genki, Weathernews
- Russell Gould, Managing Director, Kelvin Hughes Ltd.
- Dr. Sung-woo Lee, Director General of Port and Logistics Research Division, Korea Maritime Institute
- Kazuhiko Aoki, Executive Officer, Assistant Unit President and General Manager of New Business Promotion Division Space and Satellite Business Unit, SKY Perfect J-SAT Corporation

THURSDAY JUNE 28 – PROGRAM

11:25

Highlight

- Professor Natsuhiko Otsuka, Hokkaido University: Future Arctic Shipping – sea route connecting Europe and Asia

11:40

Closing remarks

- Harri-Mäki-Reinikka, Ambassador, Senior Advisor for Northern Policies and Secretary General for Finland's Arctic Advisory Board, Finland
- Anu Fredrikson, Director, AEC Secretariat

12:00

Lunch

Venue: Hotel Mystays Sapporo Aspen

Afternoon

Arctic Dialogue Side Event on Arctic Tourism organized by the Finnish Ministry of Economy and Employment of Finland

Venue: Hokkaido University



Summer in Sapporo.

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