

5th International Ice Day Conference

ICE DAY

The Hot Spot of Icy Northern Routes

16–17 February 2012

Lapland Hotel Riekonlinna
Saariselkä, Finland



University of Turku
CENTRE FOR MARITIME STUDIES
www.conferences.fi

ICE DAY

16–17 February 2012
Lapland Hotel Riekonlinna, Saariselkä, Finland

Programme

Thursday 16 February

9.30 Registration and warm coffee

Chairman of the day: Mr Pentti Kujala, Professor, D. Sc. (Tech), Aalto University

10.00 CHAIRMAN'S OPENING REMARKS

10.10–13.10 THE BOW TO THE NORTH

10.10 KEYNOTE SPEECH: THE NORTHERN SEA ROUTE – FINNISH VIEWS

Mr **Hannu Halinen**, Arctic Ambassador of Finland, Arctic Council

10.40 SEA ICE CONDITIONS IN THE ARCTIC OCEAN AND BALTIC – NOW AND FUTURE

Mr **Jari Haapala**, Head of Group, PhD, Marine Research Unit, Finnish Meteorological Institute

11.10 HOW TO MAKE THE NORTHERN ROUTES COST-EFFECTIVE?

Mr **Niko Ristikankare**, Vice President, Shipping and Terminals, Neste Oil Ltd

11.40 Sleet break

12.00 NEED FOR ICE BREAKING CO-OPERATION AT THE GULF OF FINLAND

Capt. **Oleg Glukhov**, Deputy Harbour Master on Branch Affairs, Sea Port of Saint Petersburg

12.30 WINTERIZATION OF SHIPS AND OFFSHORE INSTALLATIONS, AN IMPORTANT PART OF SAFE OPERATION IN COLD CLIMATE

Mr **Morten Mejlænder-Larsen**, Director, Arctic Operation and Technology, Det Norske Veritas

13.00 COMMENTING THE MORNING SESSION

13.10 Lunch

14.20–17.00 ICE IS A CHALLENGE, NOT AN OBSTACLE

14.20 MERCHANT SHIP FLEET CHARACTERISTICS AFFECTING THE EFFICIENCY OF THE ICEBREAKER SERVICE – EXPERIENCES FROM WINTER 2011

Ms **Leena Vedenpää**, Naval Architect, ILS Oy

14.50 CHALLENGES OF THE DYNAMIC ICEFIELD

Mr **Pentti Kujala**, Professor, D. Sc. (Tech), Aalto University

15.20 Hail break

15.50 MULTIFUNCTIONAL ICEBREAKING VESSELS – INNOVATIVE SOLUTIONS FOR HARSH ARCTIC CONDITIONS

Mr **Esko Mustamäki**, Managing Director, Arctech Helsinki Shipyard Inc.

16.20 SHIPREPAIRS IN COLD AND HARSH CONDITIONS

Mr **Hans Sundqvist**, Managing Director, Turku Repair Yard Ltd

16.50–17.00 COMMENTING THE SESSIONS AND ENDING OF THE DAY

18.30 FROZEN EVENING

*Special programme outside Saariselkä – far from the busy world, under the northern sky
Dinner by the open fire à la Lapland*

Friday 17 February

Chairman of the day: Mr Tero Vauraste, President, Arctia Shipping Ltd

9.00 CHAIRMAN'S OPENING REMARKS: Effective Future Use of Icebreaker Resources in Northern Hemisphere

9.10–11.50 IT'S COLD OUT THERE!

9.10 IMPORTANCE OF HUMAN FACTOR IN WINTER NAVIGATION SYSTEMS

Mr **Jarkko Toivola**, Chief Maritime Specialist, Head of Winter Navigation Unit, Finnish Transport Agency

9.40 HUMAN PHYSIOLOGICAL AND BEHAVIORAL RESPONSES TO COLD

Mr **Hannu Rintamäki**, Professor, Finnish Institute of Occupational Health and University of Oulu

10.10 *Snow break*

10.40 COLD CLIMATE EVACUATION AND SURVIVAL

Mr **Sami Raappana**, Manager, Survival Training Unit, Meriturva Maritime Safety Training Centre

11.10 EXPERIENCES FROM AN ICE BREAKER

Captain **Matti Björkman**, Arctia Shipping Ltd

11.40 COMMENTING THE MORNING SESSION

11.50 *Lunch*

13.00–15.30 MAKING ICE OUR BUSINESS

13.00 CURRENT STATUS OF ICE NAVIGATION TRAINING IN EUROPE AND NORTH AMERICA

Mr **Vladimir Kuzmin**, Senior Lecturer, Admiral Makarov State Maritime Academy

13.30 MATCHING OFFSHORE AND ICE BREAKING – CHALLENGE OR MISSION IMPOSSIBLE?

Mr **Anders Backman**, Fleet Manager, Arctic Operations, Rederi AB TransAtlantic

14.00 *Ice break*

14.30 NEW POLAR SUPPLY AND RESEARCH VESSEL

Mr **Jukka Vasama**, Manager Naval Architecture, STX Finland Oy

15.00 CONTRACTUAL AVOIDANCE OF ICE DAMAGES – THE RIGHT INSURANCE AND CHARTERPARTY CLAUSES FOR DIFFICULT ICE CONDITIONS

Mr **Peter Ivar Sandell**, Senior Lecturer, Satakunta University of Applied Sciences, Faculty of Technology and Maritime Management Rauma

15.30–15.45 DISCUSSION AND PACKING THE ICE



Organiser:

University of Turku
CENTRE FOR
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<http://mkk.utu.fi>

ICE DAY

16–17 February 2012
Saariselkä, Finland

The fifth ICE DAY will be held in the Finnish Lapland, 250 kilometers north of the Polar Circle, only a couple of steps from the peace and tranquility of the wilderness. The Lapland winter has its own magic with its long, dark nights, snow covered fell highland and flaming Northern Lights.

Wear your warm winter clothing and experience the coldest of the cold conference taking place in the authentic northern atmosphere. Together we will break the ice.

Conference Venue

The conference takes place at the Lapland Hotel Riekonlinna. The address is Saariseläntie 13, Saariselkä.

Saariselkä Resort is located in the municipality of Inari in Northern Lapland. It is a compact village of services and activities surrounded by fell highlands. The best-known of Saariselkä's fells is Kaunispää at a height of 438 metres, which may be easily conquered on foot, by car or ski lift.

Saariselkä and Northern Lapland has quick flight connections from Helsinki direct to Ivalo, from which there is a bus connection (25 minutes) to Saariselkä, to the hotel Riekonlinna. For more information on Saariselkä and its connections visit www.saariselka.fi

Accommodation

A quota of rooms has been reserved for the conference guests at the Lapland Hotel Riekonlinna. The quota, code ICE DAY 2012, is valid until 26 January 2012. Please make your reservations directly to the hotel. You can find more information about the hotel on our website: www.conferences.fi

Registration and registration fee

Please register by 26th of January by filling in the online register form on www.conferences.fi.

Further information about registration: Ms Ilse Leppäranta, tel. +358 (0)2 333 8162 or e-mail ilse.lepparanta@utu.fi

The conference fee is 770 €, which includes the presentation materials, lunches, coffees and evening programme. Please note that there will be a 150 € charge for cancellations received after the final registration date. Those absent without cancellation will be charged the entire fee.

For further information on the conference please contact

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