Industry Seminar: Sea-Ice & Operational Conditions for Ships on the NSR

Day: 30th of May, 2016

Location: DNV GL Korea, Haeundae I-Park, Busan, South-Korea

Time: 10:00 - 16:00

Seminar Program

Presentations will be given by:
Bjørn Gunnarsson (CHNL of Nord University)
Sergey Balmasov (CHNL's NSR Information Office of Nord University)
Håvard Nyseth (Arctic Operations & Technology of DNV GL)
Aleksandar-Sasa Milakovic (Department of Marine Technology of NTNU)

Section I

10:00-10:10	Welcome (10 min)
10:10-10:30	Arctic 2030 Project: Feasibility and Reliability of Shipping on the Northern Sea Route and Modeling of an Arctic Marine Transportation & Logistics System (20 min; Bjørn Gunnarsson)
10:30-11:00	Navigation in Arctic Sea-Ice and the Polar Code's new Safety Requirements (30 min; Håvard Nyseth)
11:00-11:20	Methods of Evaluating Arctic Sea-Ice Distribution and Thickness for Arctic Shipping (20 min; Alexandar-Sasa Milakovic)
11:20-11:40	Ice Management and Ice-Load Monitoring in the Arctic (20 min; Håvard Nyseth)
11:40-12:00	Questions & Answers (20 min)
12:00-13:10	Lunch (70 min)

Section II

13:10-13:30	Russian Ice-Breaking, Ice-Pilotage and Hydro- Meteorological Services on the NSR (20 min; Bjørn Gunnarsson)
13:30-14:00	Dynamic Changes in Sea Ice Cover and Thickness on the NSR for the Period 2008-2016 (30 min; Sergey Balmasov)
14:00-14:10	Sea Ice Characteristics and Russia's Admittance Criteria for Ships to Enter the NSR Water Area (10 min; Bjørn Gunnarsson)
14:10-14:30	Sea Ice Characteristics and Operational Conditions for Ships Working in the Western Zone of the NSR: Eastern Barents Sea, Pechora Sea, and Kara Sea (20 min; Sergey Balmasov)
14:30-14:50	Coffee/Tea Break (20 min)
14:50-15:10	Sea Ice Characteristics and Operational Conditions for Ships Working in the Eastern Zone of the NSR: Laptev Sea, East Siberian Sea, and Chukchi Sea (20 min; Sergey Balmasov)
15:10-15:30	Evaluation of Long-Term Sea Ice Forecasts on the NSR (20 min; Bjørn Gunnarsson)
15:30-15:50	Questions & Answers (20 min)
15:50-16:00	Concluding Remarks (10 min)