

Thursday, 13 June			
08:00 - 13:00	Registration		Ground floor (BG)
08:45 - 09:30	Recent Trends in Simulation of Ice-Structure Interaction <i>Keynote lecture by Jukka Tuhkuri</i>		Senaatszaal <i>Chair: K. Riska</i>
09:30 - 09:50	Coffee break		Foyer
Parallel session 1			
Room	Senaatszaal	Van Hasseltzaal	Commissiekamer 3
Session	SAMCoT: The impact of eight years of research I/II	Waves in ice	Arctic operations and ice management I/II
Chairs	<i>S. Løset</i> <i>A. Metrikine</i>	<i>N. Serre</i> <i>A.B. Aalbers</i>	<i>J. Tuhkuri</i> <i>J. Brown</i>
09:50 - 10:10	Impact of eight years of research at SAMCoT <i>S. Løset</i>		Long term prediction of local Ice loads on the hull of S.A. Agulhas II <i>P. Kujala, Z. Jiang, F. Li, L. Lu</i>
10:10 - 10:30	Minimum requirements of ice management barrier systems <i>S. Ruud</i>	Physical experiments of internal solitary waves (ISWs) under various ice conditions in a cold laboratory <i>K.U. Evers, A. Haase, M.Carr</i>	Capability of energy efficient ships for winter operations in the Bothnian Bay <i>M. Elo, T. Mattsson, I. Saisto</i>
10:30 - 10:50	Sentinel-1 observations of peak wavelength and dominant wave direction in the marginal ice zone of the Barents Sea <i>D. Monteban, R. Lubbad, H. Johnsen</i>	An experimental study on surface wave attenuation by floating viscoelastic segments <i>D.K. Sree, A.W.K. Law, H.H. Shen</i>	Perspectives of using the drifting ice-resistant platform of the "North Pole" type, which is under construction, as a multifunctional research complex in the Arctic <i>A.S. Makarov, P.V. Maksimova, V.A. Likhomanov, V.T. Sokolov, I.Ye. Frolov, A.V. Chernov, I.A. Svistunov, A.V. Savitskaya</i>
10:50 - 11:10	Characteristics of ice drift and waves on Spitsbergen-banken <i>A. Marchenko, N. Marchenko</i>	Identifying flexural-mode shapes of ice floes under wave actions using multivariate analysis <i>H. Li, E.D. Gedikli, R. Lubbad</i>	
11:10 - 11:30	Coffee break		Foyer
Parallel session 2			
Room	Senaatszaal	Van Hasseltzaal	Commissiekamer 3
Session	SAMCoT: The impact of eight years of research II/II	Climate change and the Arctic environment I/II	Arctic operations and ice management II/II
Chairs	<i>S. Løset</i> <i>A. Metrikine</i>	<i>K. Croasdale</i> <i>K. Riska</i>	<i>J. Tuhkuri</i> <i>J. Brown</i>
11:30 - 11:50	Probabilistic peak ice load model <i>J. Ranta, A. Polojärvi</i>	Using satellite observation data to estimate minimum design air temperatures distribution in Arctic <i>Y. Xiu, Z. Li, Q. Wang, Y. Zu, P. Lu</i>	Thermodynamic optimization of liferaft designed for Polar regions <i>K.E. Solberg</i>
11:50 - 12:10	The effect of floe shape on the interaction of vertical-sided structures with broken ice <i>M. van den Berg, R. Lubbad, S. Løset</i>	Impact of climate change on design and operation of Arctic ships and offshore units <i>P. Cambos, K. Croasdale, M. Yazarov, K. Riska, R. Bridges</i>	Applying CAST to investigation of the FPSO's incident with an iceberg <i>E. Kim, I.B. Utne, H.J. Kim</i>
12:10 - 12:30		Laser scanning as a tool for monitoring road deformations in Svalbard <i>F.D. Jurov, N.A. Marchenko</i>	Winterization and drilling operations in cold climate areas <i>E. Engtrø, O.T. Gudmestad</i>
12:30 - 13:30	Lunch		