

# POAC 2019 Program

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	
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>TBA</i>	<i>TBA</i>	<i>TBA</i>	<i>TBA</i>	<i>TBA</i>
09:50 - 10:10	Impact of eight years of research at SAMCoT  <i>S. Løset</i>		Wave attenuation through pancake ice. Measurements from a moving vessel in the Barents Sea in 2017  <i>A. Shestov</i>		Validation of the new risk based design approaches (POLARIS) for Arctic and Antarctic operations  <i>P. Kujala , J. Kämäräinen, M. Suominen</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>		Correlation between bow ice loads and operational responses during ice navigation in the Weddell Sea  <i>A. Bekker , L. Lu, C.M. van Zijl, J.J. Matthee, P. Kujala</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>TBA</i>	<i>TBA</i>	<i>TBA</i>	<i>TBA</i>	<i>TBA</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. Iurov , N.A. Marchenko</i>		Winterization and drilling operations in cold climate areas  <i>E. Engtrø , O.T. Gudmestad</i>
12:30 - 13:30	Lunch				