

Thursday, 13 June

Parallel session 3

Room Session Chairs	Senaatszaal	Van Hasseltzaal	
	Propulsion of ships in ice <i>G. Wilkman</i> <i>W. Lu</i>	Marine icing <i>N. Serre</i> <i>A.B. Aalbers</i>	
13:30 - 13:50	Method for estimating the propulsion performance of a multi-shaft icebreaker in ice field <i>A.A. Dobrodeev, G.I. Kanevskii, A.M. Klubnichkin, K.E. Sazonov</i>	Model assumptions in rig icing and their implications <i>A. Bockmann, O. Shipilova, O.C. Ekeberg</i>	
13:50 - 14:10	Development of propulsion technology of Arctic ships operating in ice, from MV Arctic to Norilskiy Nickel <i>G. Wilkman, S. Hänninen, T. Heideman</i>	Marine spray from wave run-up to a hull as input to icing models <i>A.B. Aalbers, J.S. Hoving</i>	
14:10 - 14:30	Research on overload method based on known ice resistance for self-propulsion test in conventional towing tank <i>S. Ji, Y. Tian</i>	Autonomous real-time sea spray measurement system for offshore structures <i>S.H. Teigen, O.C. Ekeberg, B. Myhre, H. Rustad, S. Petersen, E. Schröder-Bråtane, S. Carlsen</i>	
14:30 - 14:50	Simplified ice impact load estimate for azimuthing thrusters <i>A. Kinnunen, I. Perälä, M. Tikanmäki</i>	Risk assessment of wind farm development in ice proven area <i>A.M. Mustafa, A. Barabadi, T. Markeset</i>	
14:50 - 15:20	Coffee break		Foyer

Parallel session 4

Room Session Chairs	Senaatszaal	Van Hasseltzaal	
	Ice-structure interaction modelling II/II <i>F. Ralph</i> <i>W. Lu</i>	Climate change and the Arctic environment II/II <i>K. Croasdale</i> <i>K. Riska</i>	
15:20 - 15:40	Non-smooth DEM simulation for interaction of conical structure and managed ice floes using breakable ice element <i>K. Hasegawa, S. Uto, H. Shimoda, D. Wako, T. Matsuzawa</i>	Long-term geothermal monitoring of the Arctic coast for assessment of their stability <i>O.V. Kokin, A.V. Kirillova, D.M. Frolov, S.V. Godetskiy</i>	
15:40 - 16:00	Bulk constitutive law and its importance in CEM simulations of ice-structure interaction <i>J. Zhang, D. Feng, S.D. Pang</i>	A low-cost coastal buoy for ice and metocean measurements <i>C. Petrich, M. O'Sadnick, Ø. Kleven, I. Sæther</i>	
16:00 - 16:20	Modeling of full scale DP in ice scenario using an advanced ice dynamics model <i>S. Islam, D. Watson, J. Brown, M. Sayed</i>	A philosophy to ensure the safety of floating structures in Arctic and cold regions <i>C. Makrygiannis, O. Dalane, P. Liferov, R. McKenna, P.O. Moslet, K. Riska, B. Wright</i>	
16:20 - 16:40	Coffee break		Foyer
16:40 - 17:30	Closing ceremony <i>Best student paper award & Presentation POAC 2021</i>		Senaatszaal <i>Chair: A. Metrikine</i>