



大连理工大学

Dalian University of Technology

第二届极地海洋工程国际学术论坛

Second International Forum on Polar Offshore Engineering

会议日程

Conference Program



办单位

大连理工大学

Sponsor

Dalian University of Technology

承办单位

大连理工大学极地海洋工程研究中心

Polar Offshore Engineering Research Center, DUT

辽宁省极地海洋工程技术研究中心

Polar Offshore Engineering Research Center, Liaoning Province

Host

海岸和近海工程国家重点实验室

State Key Laboratory of Coastal and Offshore Engineering

工业装备结构分析国家重点实验室

State Key Laboratory of Structural Analysis For Industrial Equipment

会议地点

大连理工大学国际会议中心三楼会议室

Location

Room 321, International Convention Center of Dalian University of Technology

时间\Date

January 16, 2018

Conference Program

Date: January 16, 2018

Meeting Room: 321, International Convention Center, DUT

Time	Contents		Chair
8:30-8:40	Introduction of Guests		Yi Huang
8:40-8:50	Opening Address		
8:50-9:00	Annual Report-2017: Polar Offshore Engineering Research Center, DUT (Shunying Ji)		
9:00-9:10	Launching Ceremony: Polar Offshore Engineering Technology Research Center of Liaoning Province		
9:10-9:30	Take picture	Coffee break	
9:30-12:00	1. Hayley Shen 2. Hung Tao Shen 3. Robert Gagnon 4. Choung Joonmo 5. Mikio Sakai	Clarkson University, USA Challenges in modeling wave propagation through ice covers Clarkson University, USA On dynamics of river ice breakup National Research Council of Canada The physics of ice crushing associated with indentation and impact Inha University, Korea Cone ice crushing tests and simulations associated with various yield and fracture criteria The University of Tokyo, Japan State-of-the-art discrete element modeling in multi-phase flow simulations	Zhijun Li
12:00-13:30	Lunch		
13:30-15:30	6. Sze Dai Pang 7. Sung Rak Cho 8. Shuai Yuan 9. Anliang Wang 10. Wei Shi	National University of Singapore Cohesive element modelling for fracture and crushing of ice Korea Research Institute of Ships and Ocean Engineering Resistance of ice breaking ship using the multiple regression analysis National Marine Environmental Monitoring Center, China Sea ice problems for the nuclear power plant in cold regions National Marine Environmental Forecasting Center, China Sea ice parameters extracted from images by using open-source software of ImagePy Investigation of ice loads on offshore wind turbine based on fully coupled numerical method	Dayong Zhang
15:30-16:00	Coffee Break		
16:00-17:40	11. Hyunwook Kim 12. Peng Lu 13. Dayong Zhang 14. Kuilin Yuan 15. Zhijun Li	Evaluation of moving ice loads on an elastic plate Advances in studies of melt ponds on summer Arctic sea ice Fatigue life analysis of the vertical leg jacket platform induced by ice vibrations Simulation of fatigue crack propagation in longitudinal stiffeners of ship structures under biaxial cyclic loading Introduction and video of remoted Arctic sea ice area during 1978 and 2017	Shunying Ji
18:00	Conference Closing		