

2018 International Academic Research Exchange Workshop on Ship and Ocean Engineering (SOE) in Dalian



[Technical Program of 2018 SOE Meeting \(with Link to PDF Files Used for Presentation\)](#)

Date & Time **December 21 (Friday) 13:00--18:00 & December 22 (Saturday) 8:30--12:30, 2018**

Venue A Meeting Room (Zhongguancun (中关村), 5th Floor), Hi-Chance (Dalian) Science & Technology Center, No. 507 Huangpu Road, Gaoxin District, Dalian 116024, China

Language The Workshop will be conducted in English.

Background and Objective This workshop started as the RIAM (Research Institute for Applied Mechanics) Symposium which had been held for more than 10 years at Kyushu University, and after Professor Masashi Kashiwagi moved to Osaka University, this workshop was modified a little and held at Osaka University in 2012 and 2013 as International SOE (Ship and Ocean Engineering) Meeting for students and young researchers in Japan, Korea, and China. This year, this workshop will be hosted in Dalian University of Technology. Through this workshop, we can expect the cultivation of intercultural competencies and sensitivities to other cultures among students, young researchers, and faculty members. Any student and faculty in Chinese, Japanese and Korean universities (but not limited) can participate in this international event. The objective of this workshop is providing a forum to discuss the progress of the research in detail, exchange information and know-hows in computations or experiments, and get acquainted with participants each other. The organizer wishes younger researchers (especially students) will be inspired to study more and to be international, particularly through friendly but competitive interactions with students in other countries.

If you are concerned with the technical program and the presentation materials (Power Points) in the past, please visit [the home page for the SOE Meeting in 2017](#) (See the link at the top of the homepage for 2017).

Support This workshop will be financially supported by Dalian University of Technology, for the cost of the conference room, dinner, lunch, and refreshments.

Accommodation Hi-Chance (Dalian) Science & Technology Center. The local organizer will book rooms on behalf of you. The room fare is between RMB 350 -500 per night.

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2018 International Academic Research Exchange Workshop on Ship and Ocean Engineering (SOE Workshop)

Date: December 21 (Friday) & December 22 (Saturday), 2018
Place: Hi-Chance (Dalian) Science & Technology Center,
No. 507 Huangpu Road, Gaoxin District, Dalian 116024, China

Meeting Room: Zhongguancun (中关村), 5th Floor

December 21 (Friday)

- Session I Chair: Prof. Bin Teng
- 13:00~13:10 Opening Address
Bin Teng (Dalian University of Technology)
- 13:10~13:40 Xinwang Liu, Decheng Wan
Wigley Ship Hull Form Optimization with and without Bulbous Bow
- 13:40~14:10 Jian-Ye Yang, Bin Teng
Edge Effect on Numerical Calculation of Nonlinear Radiation Forces for a Submerged Body
- 14:10~14:40 Zhu Zhang, Jae-Hoon Lee, Yonghwan Kim
Analysis of motion responses and drift force on ships moving with drift angle, Part1: CFD computation
- 14:40~15:10 Jae-Hoon Lee, Beom-Soo Kim, Zhu Zhang, Yonghwan Kim
Analysis of motion responses and drift force on ships moving with drift angle, Part2: Potential-based computation
- 15:10~15:30 Coffee Break
- Session II Chair: Prof. Yonghwan Kim
- 15:30~16:00 Keisuke Umazume, Takahito Iida, Masashi Kashiwagi
Numerical Confirmation of Negative Refractive Index and Backward Waves by HOBEM
- 16:00~16:30 LongFei Cong, Bin Teng
A Hybrid HOS-BEM Model for Wave-Body Interaction
- 16:30~17:00 Guanyu Zhang, Decheng Wan
3-D MPS-FEM Coupled Method for Waves and Elastic Plate Interaction
- 17:00~17:30 Byeong-Soo Kim, Kyong-Kyu Yang, Yonghwan Kim
Effects of wave amplitude on ship added resistance
- 17:30~18:00 Takefumi Higaki, Takahito Iida, Masashi Kashiwagi
Development of a Fully Lagrangian Coupled MPS Solver for Ocean Engineering Problems
- 18:10~** **Get-together party**
At Jian Guo Function Hall (建国厅), 6th Floor

December 22 (Saturday)

Session III

Chair: Prof. Masashi Kashiwagi

- 08:30~09:00 Jeongkyu Lee, Yangjun Ahn, Jieung Kim, Yonghwan Kim
Dependency on thresholding value in analysis of experimental sloshing pressure
- 09:00~09:30 Yixin Qian, Bin Teng
Scaled Boundary FEM Solution of 2nd-order Wave Interaction with a 2D Box
- 09:30~10:00 Takaaki Hanaki, Munehiko Minoura
Improvement of Statistical Estimation of Ship Performance in Actual Seas by Normalization of Data Unevenness Using Cluster Analysis
- 10:00~10:30 Xiaoting An, Decheng Wan
Dynamic Analysis on Mooring System of Floating Structures
- 10:30~10:50 Coffee Break

Session IV

Chair: Prof. Decheng Wan

- 10:50~11:20 Xiu Ning, Decheng Wan
CFD method and Kinematic Wake Models for Wind Turbine Wake Flows
- 11:20~11:50 Soma Miura, Masashi Kashiwagi
Unsteady Pressure Distribution on Ship Hull Surface Measured by FBG Pressure Sensors and Comparison with Calculation
- 11:50~12:20 Hyungseung Nam, Dong-Hyun Lim, Yonghwan Kim
Statistical prediction of deck slamming loads on offshore platforms
- 12:20~12:30 Closing Address
Bin Teng (Dalian University of Technology)
- 12:30~13:30 Lunch
At Western Restaurant (西餐厅), 1st Floor

Some tips:

Hotel:

Name: Hi-Chance (Dalian) Science & Technology Center

(<http://hichance-jianguo.weilaitrip.com/rooms.html>)

Address: No. 507 Huangpu Road, Gaoxin District, Dalian 116024, China

Tel: +86-0411-62620777

海创大连科技交流中心(海创建国饭店)

地址: 大连高新园区黄浦路 507 号, 地铁海事大学站 D 出口

联系电话: +86-0411-62620777

Workshop Venue:

Meeting Room, Hi-Chance (Dalian) Science & Technology Center,

No. 507 Huangpu Road, Gaoxin District, Dalian 116024, China

➤ From Dalian International Airport to the hotel

Recommended Line 1:

Taxis queue outside the Arrival Halls of the terminal; Distance: 14.0km; Taxi fare is about RMB 35.

Show this to your taxi driver:

海创大连科技交流中心(海创建国饭店), 大连高新园区黄浦路507号, 地铁海事大学站D出口

联系电话: +86-0411-62620777

Recommended Line 2:

The Metro Station is between the international and domestic terminals.

Take Metro Line 2 to Xi'an Road Station; Change to Metro Line 1 in Hekou direction, and get off at Maritime University Station; take Exit D.

Distance: 19.2km; Metro fare is RMB 4.

From Dalian International Airport to the hotel by taxi

Show this to your taxi driver:

海创大连科技交流中心(海创建国饭店), 大连高新区黄浦路507号, 地铁海事大学站D出口, 联系电话: +86-0411-62620777



From Dalian International Airport to the hotel by metro

Dalian International Airport → Metro Line 2 → Xi'an Road Station → Metro Line 1 → Maritime University Station (Exit D)

