

September 17-21, 2006  
Dalian, China

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The Seventh (2006) ISOPE  
**Pacific/Asia**  
**Offshore Mechanics**  
**Symposium**

**ISOPE**  
**PACOMS-2006**

Dalian Liangyun Hotel, Dalian, China  
September 17-21, 2006

**Technical Program**

Invited and Peer-reviewed Papers from 12 countries

**Offshore Engineering**  
**Compliant Structures, FPSO**  
**Coastal & Port Engineering**  
**Environment & Simulation**

**Ice Engineering**  
**Hydrodynamics**  
**Pipelines & Risers**  
**Ocean & Wind Energy**

*Organized by:*

International Organizing Committee and Local Organizing Committee

*Sponsored by:*

International Society of Offshore and Polar Engineers (ISOPE) *with*

*Cooperating organizations:*

Chinese Ocean Engineering Society

Dalian University of Technology


*Hosted by:*

Dalian University of Technology

ISOPE PACOMS-2006 Dalian Secretariat and LOC

Dalian, 116024, China

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**Call For Papers**  
**ISOPE-2007 Lisbon**

The 17th (2007) International  
**Offshore and Polar Engineering Conference**  
Lisbon, Portugal, July 1-6, 2007

**Call For Papers**

Abstract Deadline: **October 20, 2006**

Download from [www.isopec.org](http://www.isopec.org) or ask [meetings@isopec.org](mailto:meetings@isopec.org).  
**Online Abstract Submission (now) and Technical Program**  
(in February) on [www.isopec.org](http://www.isopec.org); Fax 1-650-254-2038

## Welcome to ISOPE PACOMS-2006

We greatly appreciate the excellent responses and help we have received from colleagues around the world in the successful organization of the 7th ISOPE Pacific/Asia Offshore Mechanics Symposium (ISOPE PACOMS-2006), Dalian, China, September 17–20, 2006. The symposium features 14 **sessions of peer-reviewed papers** and **invited papers** from 12 Pacific Rim and European countries. This year's focus is on **Offshore Development and Offshore and Ice Technologies**.

The purposes of the ISOPE conference are to:

- promote technological progress and activities, international technological transfer and cooperation, and opportunities for engineers to maintain and improve technical competence; and
- provide a timely international forum for technical activities, cooperation, opportunity and fellowship among researchers and engineers,

by developing focused session topics with peer-reviewed papers accepted through rigorous review, establishing high international standards for publication and worldwide distribution and promoting regional cooperation among the Pacific/Asian countries.

The International Society of Offshore and Polar Engineers (ISOPE) has already held 35 successful international meetings:

- The 1st (1990) ISOPE *European Offshore Mechanics Symposium* (ISOPE EUROMS–90) held in Trondheim.
- The 1st (1990) ISOPE *Pacific/Asia Offshore Mechanics Symposium* (ISOPE PACOMS–90) held in Seoul.
- The 1st (1995) ISOPE *Ocean Mining Symposium* (ISOPE OMS–95) held in Tsukuba.
- The 1st (1996) ISOPE *International Deep-Ocean Technology Symposium and Workshop (IDOT–96)* held in Los Angeles.
- The *Annual ISOPE Conference*, starting in Edinburgh, 1991 has been held in San Francisco, Singapore, Osaka, The Hague, Los Angeles, Honolulu, Montréal, Brest, Seattle, Stavanger, Kitakyushu, Honolulu, Toulon, Seoul and San Francisco. Since 1992, the annual ISOPE Conference has been held with the world's largest technical program of its kind with refereed papers.

On behalf of PACOMS Executive Committee, International Organizing Committee and Local Organizing Committee, we would like to express our appreciation to the financial sponsors and welcome participants to the ISOPE PACOMS-2006 Symposium in Dalian.

**Jin S. Chung**, PACOMS Executive Committee and International  
Organizing Committee  
and  
**Yu-Cheng Li**, Local Organizing Committee and International  
Organizing Committee

**SUNDAY September 17**

15:00-17:50  
**REGISTRATION** and Proceedings Pickup      Hotel Lobby, 1 F

18:30  
**Host Reception**      **Tianfu Palace, 3F**

For Tour Information      Visit Tour Desk in Registration Area

**MONDAY September 18**

08: 00      Hotel Lobby, 1F

\* **On-Site Registration** and Badge and Proceedings Pickup

\* **Chairs and Presenters:** Test the power-point files in Room 1

08:30  
**Opening Addresses**      **Room 1**  
Chung, Jin S, PACOMS-2006 Chair, USA  
**Welcome Address**      **Room 1**  
President, Dalian Univ of Technology, China

**09:00**  
**1. Offshore Developments**      **Room 1**

**10:00**  
**2. Offshore Development and Structures**      **Room 1**

**12:00**  
**PACOMS Lunch**      **Haidufu, 4F**

**13:30**  
**3. Offshore and Compliant Structures 1**      **Room 1**

**15:40**  
**4. Offshore and Compliant Structures 2**      **Room 1**

17:40  
PACOMS Executive Committees      Room 1

**TUESDAY September 19**

07:30  
**Chairs and Presenters:** Test the power-point files in Room 1

**08:00**  
**5. Sea Ice Technology 1**      **Room 1**  
**6. Environment and Simulation**      **Room 2**

**10:00**  
**7. Sea Ice Technology 2**      **Room 1**  
**8. Offshore Pipelines and Risers**      **Room 2**

**12:00**  
**PACOMS Lunch**      **Haidufu, 4F**

**13:30**

9. Ship Hydrodynamics and Sloshing Room 1

15:40  
10. Hydrodynamics and NWT Room 1

**WEDNESDAY September 20**

07:30  
Chairs and Presenters: Test the power-point files in Room 1

08:00  
11. Ocean Energy Room 1

10:00  
12. Coastal and Port Engineering Room 1

12:00  
PACOMS Lunch Haidufu, 4F

13:30  
13. Storm Surge and Breakwaters Room 1

15:40  
14. Coastal Waves And Seabed Interactions Room 1

|                        |                          |
|------------------------|--------------------------|
| <b>PACOMS Banquet</b>  |                          |
| <b>18:30 Wednesday</b> | <b>Tianfu Palace, 3F</b> |

**THURSDAY September 21**

8:30-18:00  
**SYMPOSIUM TOURS:** Technical tour to DUT and sight-seeing along the Dalian coast.  
[Make your reservation in advance](#) by indicating in the advance registration form.  
[Bus departure at 8:30, and return to Hotel at 18:00](#)  
8:30 – 11:40 **Technical Tour to DUT**  
12:00 – 13:00 Lunch at DUT  
13:10 – 18:00 **Sight-seeing tour**



**Sponsored by**  
International Society of Offshore and Polar Engineers (ISOPE)  
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***Secretariat***

Prof. Yucheng Li, Dalian Univ of Technology, Dalian, China  
Prof. Bin Teng, Dalian Univ of Technology, Dalian, China

**Symposium Co-Chairmen**

Prof. Jin S. Chung, ISOPE, Cupertino, California, USA  
Prof. Dahong Qiu, Dalian Univ of Technology, Dalian, China

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Prof. S. Chucheepsakul, King Mongkut's Univ of Technology Thonburi, Thailand

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Prof. Bin Teng, Dalian Univ of Technology, Dalian (Secretariat)  
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Prof. S. Naito, Osaka Univ, Japan



## TECHNICAL PROGRAM

### The Seventh (2006) ISOPE Pacific/Asia Offshore Mechanics Symposium Dalian, China, September 17–21, 2006

All events will take place at Dalian Liangyun Hotel. The changes on titles or authors the ISOPE PACOMS-2006 International Organizing Committee (IOC) received in writing before July 12, 2006 are reflected in this program. Final corrections will be updated in the Conference Proceedings. Proceedings CD-ROM of peer-reviewed papers (400 pp. est.) in 14 sessions will be available from ISOPE during and after the Symposium.

Further updates will be posted on [www.isopec.org](http://www.isopec.org).

## SUNDAY September 17

18:30  
**Host Reception** Tianfu Palace, 3F

## MONDAY September 18

0800 Liangyun Hotel, 1F  
**On-Site Registration** and Badge and Proceedings Pickup

08:30  
**Opening Addresses** Room 1

Chung, Jin S, Conference Chair, ISOPE, Cupertino, California, USA

**Welcome Address** Room 1  
President, Dalian Univ of Technology, Dalian, China

**1. OFFSHORE DEVELOPMENTS**  
Monday September 18 09:00 Room 1

Chair: Qiu, D, Dalian Univ of Technology, Dalian, China  
Co-Chair: Chung, J S, ISOPE, Cupertino, California, USA

**Seek the Way of Offshore Development with International Compatibility** (Oral Presentation)

Jiang, X Z, President, COOEC, China National Offshore Oil Corporation, Beijing, China

**Development of Offshore Techniques in China: The Past, Present and Future** (Oral Presentation)

Yang, X G, Engineer in Chief, COOEC, China National Offshore Oil Corporation, Beijing, China

## 2. OFFSHORE DEVELOPMENT AND STRUCTURES

Monday September 18 10:00 Room 1

Chair: Jiang, X Z, President, COOEC, China National Offshore Oil Corporation, Beijing, China

Co-Chair: Chucheepsakul, S, King Mongkut's Univ of Technology Thonburi, Bangkok, Thailand

### Zhao Dong Fixed Drilling Platform Installation

Yan, J H, Li, S Y, Zhao, W Y, Wang, A M, PetroChina Dagang Oilfield Company, Tianjin, China

### Simulation of Natural Gas Production in Hydrate Reservoir

Hou, L Q, Wu, Y X, Ma, D X, Chinese Academy of Sciences, Beijing, China

### Comparison of Different Offshore Oil Field Development Concepts

Lu, W S, Yang, Y B, Liu, J M, Jia, Z H, Wang, H, China National Offshore Oil Corporation Research Center, Beijing, China

### Design and Management of Chengdao Oilfield Submarine Pipeline

Sun, H, Shengli Petroleum Administrative Bureau Production Department (SINOPEC), Dongying, China

### Jidong Nanpu Oilfield Nearshore Engineering Environmental Research (Oral Presentation)

Jin, M G, Wang, W H, Zhu, Y K, Zhuang, K L, Jidong Oilfield, PetroChina, Tangshan, China

## Lunch

Monday September 18 12:00 Haidufu, 4F

## 3. OFFSHORE AND COMPLIANT STRUCTURES 1

Monday September 18 13:30 Room 1

Chair: Zhang, D, Harbin Engineering Univ, Houston, TX, USA

Co-Chair: Li, L, American Bureau of Shipping, Houston, TX, USA

### On the Assessment of Fracture in Tubular Connection of Offshore Platform

Kuntiyawichai, K, Ubonratchathani Univ, Ubonratchathani; Chucheepsakul, S, King Mongkut's Univ of Technology Thonburi, Bangkok, Thailand

### Damage Detection of an Offshore Jacket Structure from Partial Modal Information: Numerical Study

Wang, S Q, Li, H J, Han, J J, Ocean Univ of China, Qingdao, China

### Field Experimental and Numerical Modal Analyses of a Jacket Platform under Ambient Excitations

Yang, H Z, Park, H I, Korea Maritime Univ, Busan, Korea; Li, H J, Ocean Univ of China, Qingdao, China

### Study on the Utility and Criteria of AUT and MUT for Offshore Structures

Zhang, D G, China National Offshore Oil Engineering Co., Ltd, Tianjin, China

Study on Risk Assessment for Platforms Based on the Statistical Simulation Technology (Oral Presentation)

Mu, S J, Liu, D F, Li, Q, Li, X D, Ocean Univ of China, Qingdao, China

#### **4. OFFSHORE AND COMPLIANT STRUCTURES 2**

Monday September 18 15:40 Room 1

Chair: Li, Y C, Dalian Univ of Technology, Dalian, China

An Approach Using Combined Tension Leg Platform with Fixed Platforms in Developing Shelf Oil & Gas Field

Zhang, D, Harbin Engineering Univ, Houston, TX, USA

Short-Term Nonlinear Response of Tension Leg Platform in Random Sea Waves

Zeng, X H, Cai, Q Y, Wu, Y X, Inst of Mechanics, Chinese Academy of Sciences, Beijing, China

Numerical Motion Predication of the Very Large Crude Oil Carrier in Shallow Water

Li, L, American Bureau Of Shipping, Houston, TX, USA

Vibration Control of Offshore Platforms Using METMD System under the Random Ocean Wave Force

Zhao, D, Cai, D M, Jinan Univ, Jinan, China

Research on Reliability of Ocean Engineering Structures Based on Improved Genetic Algorithms

Kang, H G, Li, Z H, Dalian Univ of Technology, Dalian, China

17:40

PACOMS Executive Committees

Room 1

## **TUESDAY September 19**

#### **5. SEA ICE TECHNOLOGY 1**

Tuesday September 19 8:00 Room 1

Chair: Naito, S, Osaka Univ, Osaka, Japan

Co-Chair: Karlinsky, S, Central Design Bureau for Marine Engineering «Rubin», St. Petersburg, Russia

Global Simulation Model of Extreme Ice Loads on Marine Offshore Ice-Resistant Platforms

Bekker, A T, Sabodash, O A, Shubin, O A, Far-Eastern State Technical Univ, Vladivostok, Russia

Nonstationary Motion of an Amphibian Air-Cushion Vehicle on Ice Fields

Kozin, V M, Pogorelova, A V, Inst of Machine Science and Metallurgy, Russian Academy of Sciences, Komsomol'sk-on-Amur, Russia

Transitional Failure—the Worst Dynamic Ice Load on Conical Structures (Oral Presentation)

Li, F, Yue, Q J, Dalian Univ of Technology, Dalian, China

[Experimental Study on Ice-Induced Vibration of Flexible Conical Structure](#)

Zhang, Y L, Lu, P, Lin, G, Wang, Y X, Li, Z J, Li, G W, Dalian Univ of Technology, Dalian, China

[Ice Conditions of the Yellow Sea](#)

Yakunin, L P, Far-Eastern State Univ, Vladivostok, Russia

**6. ENVIRONMENT AND SIMULATION**

Tuesday September 19 8:00 Room 2

Chair: Li, F, CSIRO Petroleum, Kensington, Australia

[Wind-driven Water Circulation and its Impact on Seabed Sediment Distribution in the Australian Northeast](#)

Li, Fangjun, Griffiths, CM, Paraschivoiu, Dyt, C, CSIRO Petroleum, Kensington, Australia; Jenkins, C, Univ of Colorado at Boulder, USA; Rutherford, M, Defence Oceanographic Data Center, NSW, Australia

[Numerical Simulation of Sea Bed Response under Waves with Coupled Solver of Biot Consolidation Equations and Free Surface Water Flow](#)

Liu, Xiaofeng, Garcia, M H, Univ of Illinois at Urbana-Champaign, IL, USA

[Three-Dimensional Simulation of Thermal Discharge into Offshore Water Areas](#)

Wu, Y J, Mei, N, Ocean Univ of China, Qingdao, China

[Optimization of Oil Spill Response Option in Offshore Waters \(Oral Presentation Only\)](#)

Zhu, F, Zhang, J, Zhu, C, China Offshore Environmental Services Ltd, Tianjin, China

**7. SEA ICE TECHNOLOGY 2**

Tuesday September 19 10:00 Room 1

Chair: Bekker, AT, Far-Eastern State Technical Univ., Vladivostok, Russia

Co-Chair: Wang, Y X, Dalian Univ of Technology, China

[Ice-Resistant Semi-Floating Platform Substructure for Sakhalin Shelf Seismic Area for Sea Depth up to 160m](#)

Karlinsky, S, Makarov, M, Mokhov, O, Central Design Bureau for Marine Engineering «Rubin», St. Petersburg, Russia

[Issues for Development of Shallow Water Offshore Hydrocarbon Fields in Moderate Ice Conditions](#)

Bruun, P K, Aker Kværner Offshore Partner, Stavanger; Gudmestad, O T, Norwegian Univ of Science and Technology, Trondheim and Statoil ASA, Stavanger; Gürtner, A, Norwegian Univ of Science and Technology, Trondheim; Zheng, P, Aker Kværner Offshore Partner, Stavanger, Norway

[Dynamic Response Analysis of Natural Gas Pipeline System Exposure to Ice-induced Vibration on Offshore Platform](#)

Yue, Q J, Zhang, D Y, Li, G, Zhou, Q, Dalian Univ of Technology, Dalian, China

A New Concept of Attached Ice-breaking Structure in Shallow Water Area

Li, Z J, Kong, X P, Zhang, L M, Li, G W, Lu, P, Dalian Univ of Technology, Dalian, China

## 8. OFFSHORE PIPELINES AND RISERS

Tuesday September 19 10:00 Room 2

Chair: Huang, T, Univ of Texas at Arlington, TX, USA  
Co-Chair: Park, H I, Korea Maritime Univ, Busan, Korea;

A Discussion of the Geometrical Quantities to Define a Riser Configuration

Chucheepsakul, S, King Mongkut's University of Technology Thonburi, Bangkok, Thailand; Athisakul, C, King Mongkut's University of Technology Thonburi, Bangkok, Thailand; Huang, T, Univ of Texas at Arlington, TX, USA

Stabilization of a Marine Riser via IDA-PBC Method

Ioki, T and Yan, Z, Kajiwara, H, Koterayama, W, Nakamura, M, Kyushu Univ, Fukuoka, Japan

Study on the Added Mass of a Cylinder in the Lock-in Range of Vortex-induced Vibration (Oral Presentation)

Wang, Y, Chen, W M, Lin, M, Inst of Mechanics, Chinese Academy of Sciences, Beijing, China

Experimental Study of Pipeline Stability on Sandy Seabed under the Influence of Ocean Currents

Gao, F P, Yan, S M, Yang, B, Li, Q, Wu, Y X, Inst of Mechanics, Chinese Academy of Sciences, Beijing, China

A Finite Element Model for Wave-Induced Scour below a Pipeline

Zhao, M, Cheng, L, An, H, Univ of Western Australia, Crawley, WA, Australia

### Lunch

Tuesday September 19 12:00 Haidufu, 4F

## 9. SHIP HYDRODYNAMICS AND SLOSHING

Tuesday September 19 13:30 Room 1

Chair: Li, H J, China Ocean Univ, Qingdao, China  
Co-Chair: Gao, F P, Chinese Academy of Sciences, Beijing, China

Numerical Study of Non-linear Wave Diffraction by an FPSO

Zang, J, Taylor, P H, Eatock Taylor, R, Univ of Oxford, Oxford, UK

Hydrodynamic Interaction for Large Multiple Submerged Bodies in Shallow Water

Hassan Shaheen, Duan, W, Harbin Engineering Univ, Harbin, China;  
Chen, X, Bureau Veritas, Paris, France

Resistance Characteristics of the High-speed Multi Hull Ship

Nozawa, K, Tsujiuchi, Y, Hayakawa, I, Osaka Univ, Osaka, Japan

Numerical Simulation of Three-dimensional Fluid Sloshing in a Container with 6 Degrees-of-Freedom of Motion

Liu, D, Gu, H, Lin, P, National Univ of Singapore, Singapore, Singapore

[Resonance in Moonpool Due to Flow-induced Oscillations near Free Surface](#)

Salman Sadiq, Zhuang, K, and Liang, Y X, Harbin Engineering Univ, Harbin, China

**10. HYDRODYNAMICS AND NWT**

Tuesday September 19 15:40 Room 1

Chair: Teng, B, Dalian Univ of Technology, China

[Source Generation of Fully Nonlinear Waves in NWT with a 3D HOBEM](#)

Teng, B, Ning, D Z, Dalian Univ of Technology, Dalian, China

[Wave Breaking Indices Based on the Asymmetry of Wave Forms in Shallow Water](#)

Yu, Y, Li, Y C, Dalian Maritime University, Dalian, China

[Hydrodynamic Pressure on Submerged Floating Tunnels with Anchor Restraints — SV-wave](#)

Sun, S N, Chen, J Y, Dalian Univ of Technology, Dalian, China

[Numerical Modelling of the Development of the EW undular Bore](#)

Lin, J G, Xie, Z H, Zhou, J T, Dalian Maritime Univ, Dalian, China

**WEDNESDAY September 20**

**11. OCEAN ENERGY**

Wednesday September 20 8:00 Room 1

Chair: Hong, S W, Maritime and Ocean Engineering Research Inst, Daejeon, Korea

Co-Chair: Zang, J, Univ of Oxford, Oxford, UK

[On the Performance Prediction of Impulse Turbine System in Various Operating Conditions](#)

Hyun, B-S, Korea Maritime Univ, Busan; Moon, J S, Hong, K, and Hong, S W, Maritime & Ocean Engineering Research Inst, KORDI, Daejeon, Korea

[Numerical Simulation of Non-linear Wave Interaction with an Offshore Wind Turbine Foundation](#)

Liang, Q, Zang, J, Borthwick, A G L, Taylor, P H, Smith, C, Univ of Oxford, Oxford, UK; Liu, S, Dalian Univ of Technology, Dalian, China

[An Experimental Study on Reverse Wave Drift Responses of a BBDB Type OWC Wave Energy Device](#)

Kim, J H, Kim, Y S, Hong, S W, Hong, K Y, Maritime & Ocean Engineering Research Inst, KORDI, Daejeon; Lew, J M, Hong, D C, Chungnam National Univ, Daejeon, Korea

[Experimental Study on Three Dimensional Wave Overtopping Control Structures for Wave Energy Converter \(Oral Presentation\)](#)

Shin, S H, Hong, K Y, Maritime and Ocean Engineering Research  
Inst, KORDI, Daejeon, Korea

## 12. COASTAL AND PORT ENGINEERING

Wednesday September 20 10:00 Room 1

Chair: Dong G H, Dalian University of Technology, Dalian, China  
Co-Chair: Cheng, L, Univ of Western Australia, Crawley, WA,  
Australia

### Advances in Artificial Island Construction Technology in Beach- shallow Sea of China

Feng, S M, Zhang, C M, Lin, X, China National Petroleum  
Corporation, Tianjin, China

### Solitary Wave-induced Pore Pressures in Marine Sediment

Li, J and Jeng, D-S, School of Civil Engineering, The University of  
Sydney, New South Wales, Australia

### Bayesian Theory Based Risk Analysis of Coastal Structure Design along Qingdao Coast

Fan, W, Liu, D F, Jiang, Y P, Ocean Univ of China, Qingdao, China

### Numerical and Experimental Research of Dynamic Responses of Floating Pier Moored in Shallow Water in Ship Berthing Operation

Wang, X, Wang, G D, Shen, Q, P. L. A. Univ of Science and  
Technology, Nanjing, China

### Numerical Study of Round Vertical Jets in Cross Flow with VOF Method

Yuan, L R, Dalian Univ of Technology, Dalian, China

## Lunch

Wednesday September 20 12:00 Haidufu, 4F

## 13. STORM SURGE AND BREAKWATERS

Wednesday September 20 13:30 Room 1

Chair: Wu, Y X, Chinese Academy of Sciences, China

### Extreme Negative Storm Surge Analysis in Shallow Water Area

Dong, S, Fu, X Y, Sang, S, Ocean Univ of China, Qingdao, China

### Wave Interaction with a Modified Jarlan-type Perforated Breakwater

Liu, Y, Li, Y C, Dalian Univ of Technology, Dalian, China

### Study for the Horizontal Wave Forces and their Overturning Moment on Perforated Caissons with Upper Structure

Chen, X F, Li, Y C, Liu, Y, Ma, B L, Jiang, J J, Dalian Univ of  
Technology, Dalian, China

### Wave-induced Responses of Seabed with Variable Shear Modulus

Wang, L Z, Pan, D Z, Zhejiang Univ, Hangzhou, China

## 14. COASTAL WAVES AND SEABED INTERACTIONS

Wednesday September 20 15:40 Room 1

Chair: Jeng, D S, Univ of Sydney, Sydney, Australia  
Co-Chair: Hong, K Y, Maritime and Ocean Engineering Research

Inst, Daejeon, Korea

**Influence of Irregular Waves on Bragg Resonance**

Wang, S-K, Hsu, T-W, Ou, S-H, Chang, J-Y, Lin, J-F, National Cheng Kung Univ, Tainan, Taiwan; Tsai, L-H, Inst of Transportation, Ministry of Transportation and Communications, Taipei, Taiwan, China

**Flow Field under Bragg Scattering of Waves over Artificial Bars**

Tsai, C-Y, Ou, S-H, Hsu, T-W, Lin, J-F, National Cheng Kung Univ, Tainan, Taiwan, China

**Transformation of Surface Gravity Wave on Nonuniform Currents and Depth**

Zhang, H S, Zhao, H J, Ding, P X, Miao, G P, Shanghai Jiao Tong Univ, Shanghai, China

**Maximum Entropy Distribution of Wave Group Length**

Liu, H X, Yu, D Y, Li, J, Ocean Univ of China, Qingdao, China

**A Study of Near Seabed Flow Field Induced by Nonlinear Water Waves**

Cheng, Y Z, Wang, Y X, Jiang, C B, Dalian Univ, Dalian, China

18:30

**Conference Banquet**

Tianfu Palace, 3F

**THURSDAY September 21**

8:30 – 11:40 **Technical Tour** to Dalian Univ of Technology

12:00 – 13:00 Lunch at DUT

13:10 – 18:00 Sight-seeing tour

## GENERAL INFORMATION

**PLACE AND DATE:** Dalian, China, September 17–21, 2006

**All ISOPE-PACOMS-2006 Symposium Events and Registration, except Symposium Tour will take place at:**

**Dalian Liangyun Hotel**

12 Wuwu Road, Zhongshan District  
Dalian, 116001 China  
Tel 86(411) 82589188; fax 86(411) 82589238  
[www.Liangyunhotel.com](http://www.Liangyunhotel.com) [in Chinese]

**Host Reception** (Sunday, 18:00) and **Symposium Banquet** (Wednesday, 18:30) will be held in Tianfu Palace.

**PARKING:** Free parking.

**LANGUAGE**

The language for the conference is English. No translation service will be arranged.

**AIR TRAVEL**

As a major commercial city in China, Dalian has convenient air connection with most important domestic cities. The city also has regular flights to and from cities in Japan and South Korea. The flight takes 1 hour from Beijing, 1 hour 30 minutes from Shanghai and 3 hours from Hong Kong to Dalian.

**CURRENCY EXCHANGE**

Currency can be exchanged either at the airport bank or local bank. Pay attention to the exchange rate fluctuation (8.0 RMB per US\$1.00 as of July 1, 2006).

**AIRPORT TO DALIAN LIANGYUN HOTEL**

The airport is located 10 km from **Dalian Liangyun Hotel**. Taxi ride is very convenient and cheap. It will cost about 40 Chinese Yuan (RMB; US\$1.00 ≈ 8.0 RMB). And it should be much easier for the taxi driver to find the hotel, if you show the driver **Dalian Liangyun Hotel** name in Chinese: Ask from [PACOMS@dlut.edu.cn](mailto:PACOMS@dlut.edu.cn).

**HOTEL ACCOMMODATION (must use the Reservation Form)**

**A limited number of rooms for foreign participants are available at the PACOMS venue hotel: Dalian Liangyun Hotel.)**

Make early room reservation directly by fax to the hotel.

**CITY TRANSPORTATION**

You could pick-up a city map during registration in Dalian Liangyun Hotel. Taxi is not expensive in Dalian. The most convenient transportation in Dalian is taxi ride. Buses run regularly to all points of the city.

**SPOUSE PROGRAM**

**Choice of various tours and voyages through tour agents will be advised during the PACOMS registration in Dalian Liangyun Hotel.**

**ADVANCE SYMPOSIUM REGISTRATION BY MAIL OR FAX (use the Advance Registration Form from [www.isopec.org](http://www.isopec.org) )**

**Mainland Chinese participants.** Register through PACOMS-2006 Dalian Secretariat. Remember to send via airmail the Advance Registration (*and Invoice*) Form in this Program or a copy to reach **ISOPE PACOMS-2006 Dalian Secretariat, Dalian, China before July 12.** Forms received **after July 12** will be processed at additional surcharge **RMB200**. Registrants will not be separately invoiced.  
**Registration Form:** Ask from [PACOMS@dlut.edu.cn](mailto:PACOMS@dlut.edu.cn).

**ISOPE PACOMS-2006 ADVANCE SYMPOSIUM  
REGISTRATION FEES (if received before July 12)**

**Non-Mainland-Chinese participants.**  
Register directly through ISOPE, California, USA: Fax 1-650-254-2038 or [meetings@isope.org](mailto:meetings@isope.org). Payment of the registration fees should be made only in US dollars

**Deadline for presenting author or co-author: July 12.**  
**Deadline for non-author participants: August 14.**

All persons attending the symposium are required to register, pay the appropriate fee, and get a symposium badge. Registration fees are as follows:

| Category   | Advance Registration Fee (US \$)*    |       |
|--|--------------------------------------|-------|
|  | Received before the <b>Deadlines</b> |       |
| <input type="checkbox"/> Author, Co-authors  | 350                                  | _____ |
| <input type="checkbox"/> Session or Symposium Chair, Co-Chair  | 350                                  | _____ |
| <input type="checkbox"/> ISOPE Member  | 350                                  | _____ |
| <input type="checkbox"/> ISOPE member with new application (incl. 2007 membership fee and 1-year journal issues) | 440                                  | _____ |
| <input type="checkbox"/> Non-Member  | 420                                  | _____ |
| <input type="checkbox"/> Spouses (no proceedings)  | 100                                  | _____ |
| <input type="checkbox"/> Full-time Student with 2006 ID Card   | 250                                  | _____ |
| <input type="checkbox"/> Reserve a seat for Symposium Tour   | Free                                 | _____ |

\* The fee in this table is for non-Mainland-Chinese participants. The Symposium registration fee **includes** Host Reception, PACOMS Banquet, tea breaks, lunches and the symposium proceedings.  
*Late registration costs additional \$80.*

**REGISTRATION CANCELLATIONS**

Request for cancellation of registration must be received in writing by **August 18, 2006** to be granted a refund minus US\$80 processing charge.

**REGISTRATION BADGE**

Registration badges are required for admittance to all the symposium activities, including the reception and banquet.

**ON-SITE SYMPOSIUM REGISTRATION**

Participants who miss the advance registration may register at the Symposium Registration Desk, but there is US\$80 surcharge. The registration desk will be open during the following hours:

Sunday, Sept. 17    15:00-17:30    Monday, Sept. 18    08:00-11:00

**ISOPE PUBLICATION ORDER**

A copy of **ISOPE PACOMS-2006 Symposium Proceedings** (CD-ROM, **ISBN 1-880653-67-2**) is included in the symposium registration fees. A single-volume proceedings in CD-ROM (400 pp. est.) can be ordered by E-, Fax or air mail at:

**\$100 (ISOPE Member \$80)** plus \$10 airmail & handling.

**ISOPE PUBLICATION can be ordered from ISOPE, P.O. Box 189, Cupertino, California 95015-0189, USA: FAX 1-650-254-2038.** Advance payment is required. MasterCard, VISA, AMEX card, international money order or U.S. bank checks in US Dollar *payable to ISOPE* will be accepted. (also see the ISOPE Publication Order Information.)

**PACOMS-2006 HEADQUARTERS** PACOMS Desk, Lobby

**Host RECEPTION**

18:00-20:00 Sunday

**Tianfu Palace, 3F**

**PACOMS SYMPOSIUM BANQUET**

18:30-20:30 Wednesday

**Tianfu Palace, 3F**

**AUDIO VISUAL TEST**

07:30

A **power-point** projector connected to PC (Read Author Information form) and screen is set up during 07:30-17:00 (Monday, Tuesday and Wednesday) in the session rooms.

**INTERNET is provided by Business Center on the 2<sup>nd</sup> floor.**

**INTERNATIONAL PARTICIPANTS AND VISA APPLICATION**

International authors, participants or attendees who need help (except financial) can contact: Prof. Yucheng Li or Prof. Bin Teng, **PACOMS-2006 Secretariat**, State Key Laboratory of Coastal and Offshore Engineering, Dalian Univ of Technology, Dalian 116024, China, Tel: 86-411-84708974 , **Fax: 86-411-84708526, E-mail: [PACOMS@dlut.edu.cn](mailto:PACOMS@dlut.edu.cn).**

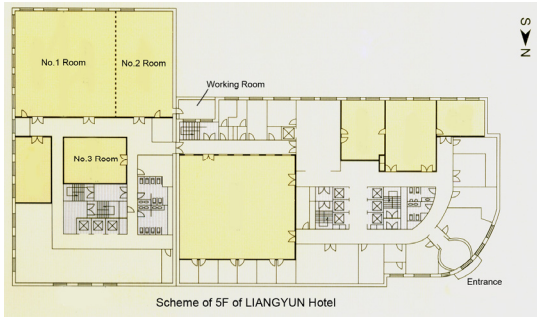
**Entry Visa.** Some participants may be required to apply for an entry visa. Please get an application form at the China Consulate in your country. PACOMS-2006 Secretariat may assist, if filled visa-forms received by Secretariat by **August 5**.

**CLIMATE**

The September weather in Dalian is nice and pleasant, as usual. Temperature ranges 20°C~30°C. There is always a chance of wind so a shirt or windbreaker is advised.



Dalian University of Technology



Dalian Liangyun Hotel and Meetings Rooms



Dalian

## HOTEL RESERVATION FORM

(Must Use This Form)

Dalian Liangyun Hotel, Dalian, China

September 17–21, 2006

Dalian Liangyun Hotel is the official venue for the PACOMS-2006. For a **guaranteed reservation**, this form must be received **via only fax** no later than August 15:

**Fax** this form to **Dalian Liangyun Hotel**: 86 -411-82589331.

(Family name) \_\_\_\_\_ First (Fore)  
Surname: \_\_\_\_\_ & Middle: \_\_\_\_\_

Circle: Male Female; Title: Mr. Ms. Mrs. Prof. Dr.

Company/Univ.: \_\_\_\_\_

Address: \_\_\_\_\_

City \_\_\_\_\_; Country \_\_\_\_\_

Postal (ZIP) Code \_\_\_\_\_; Fax No. \_\_\_\_\_

Arrival September \_\_\_\_, 2006: Departure September \_\_\_\_, 2006

\*(8.0 RMB = US\$1.00 as of July 1, 2006)

| Hotel                                      | Room Choice | Room Rates (RMB) |
|--|-------------|------------------|
| Dalian Liangyun Hotel<br>(Symposium Venue) | Single      | 340              |
|  | Twin*       | 340              |
|  | Lux Single  | 380              |
|  | Lux Twin*   | 380              |
|  | Suite**     | 498              |

**Note**: **Room rates include tax and breakfast**, but do not include other meals.

\* Name of person to share: \_\_\_\_\_

\*\* There are only 9 suites with single bed, 4 suite with double beds.

Hotel accepts Visa Card, Master Card, Express Card and more.

**DEADLINE: August 15, 2006**

**CANCELLATION**: **Fax** the room cancellation to **Dalian Liangyun Hotel** and PACOMS-2006 Secretariat, **15 days or earlier** before your arrival date in the reservation.

**Photocopy, Complete, and Send this Form.**

**Reservation after August 15 is subject to room availability**

## TECHNICAL PROGRAM

### ISOPE PACOMS-2006

Dalian

September 17-21, 2006

*Find the Hotel Reservation Form inside this program (or download Hotel Reservation Form and Advance Registration Form from [www.isopec.org](http://www.isopec.org).*

*Fax symposium registration form to:*

**Non-Mainland-China** Participants : ISOPE PACOMS-2006  
IOC, Fax: +1-650-254-2038 ; [meetings@isopec.org](mailto:meetings@isopec.org)

**Mainland-China** Participants. ISOPE PACOM-2006 Secretariat  
[pacom@dlut.edu.cn](mailto:pacom@dlut.edu.cn); Fax: +86 (411) 84708526

*Ask the visa invitation form from: [pacom@dlut.edu.cn](mailto:pacom@dlut.edu.cn).*

#### Forthcoming ISOPE Meetings


## ISOPE-2007 Lisbon

The 17th (2007) International  
**Offshore (Ocean) and Polar Engineering  
Conference, Lisbon, Portugal, July 1-6, 2007**  
Abstract Deadline: October 20, 2006

Online Abstract Submission and Technical Program (available  
in February) on [www.isopec.org](http://www.isopec.org).

ISOPE-OMS-2007  
To be announced  
Call For Papers on [www.isopec.org](http://www.isopec.org)

ISOPE-2008 Vancouver, Canada  
To be announced  
Call For Papers on [www.isopec.org](http://www.isopec.org)

International Society of  
**ISOPE** Offshore and Polar Engineers  
  
P.O. Box 189  
Cupertino, CA 95015-0189, USA  
Fax: 1-650-254-2038  
[meetings@isopec.org](mailto:meetings@isopec.org); [www.isopec.org](http://www.isopec.org)