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
Tel: 86 (411) 84708974; Fax: 86 (411)84708526
The ISOPE PACOMS-2006 participants and ISOPE PACOMS Executive Committee, International Organizing Committee and Local Organizing Committee would like to thank:

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**Call For Papers**

**ISOPE-2007 Lisbon**


Lisbon, Portugal, July 1-6, 2007

Call For Papers

Abstract Deadline: **October 20, 2006**

Download from [www.isope.org](http://www.isope.org) or ask [meetings@isope.org](mailto:meetings@isope.org).

Online Abstract Submission (now) and Technical Program (in February) on [www.isope.org](http://www.isope.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 (1995) ISOPE Ocean Mining Symposium (ISOPE OMS–95) held in Tsukuba.
- 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, 1F

18:30  
Host Reception  
Tianfu Palace, 3F

For Tour Information  
Visit Tour Desk in Registration Area

MONDAY September 18
08:00  
* On-Site Registration and Badge and Proceedings Pickup  
* Chairs and Presenters: Test the power-point files in Room 1
08:30  
Opening Addresses  
Chung, Jin S, PACOMS-2006 Chair, USA  
Welcome Address  
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

**PACOMS Banquet**

18:30  Wednesday  Tianfu Palace, 3F

**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*
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State Key Laboratory of Coastal and Offshore Engineering, Dalian Univ of Technology
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State Key Laboratory of Coastal and Offshore Engineering, Dalian Univ of Technology (DUT), China

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### TECHNICAL PROGRAM

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.isope.org](http://www.isope.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

<table>
<thead>
<tr>
<th>Monday</th>
<th>September 18</th>
<th>Room 1</th>
</tr>
</thead>
</table>

  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)**

**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 Criterions 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; Guttner, 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

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, Tsujiiuchi, Y, Hayakawa, I, Osaka Univ, Osaka, Japan

Numerical Simulation of Three-dimensional Fluid Sloshing in a Container with 6 Degrees-of-Freedom of Motion
**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, Daejon, 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, Daejon, 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, Daejon; 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)**
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, KORDI, Daejeon, Korea
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

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**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
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

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.

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.isope.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.

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. 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:

<table>
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<tr>
<th>Category</th>
<th>Advance Registration Fee (US $)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Author, Co-authors</td>
<td>350</td>
</tr>
<tr>
<td>Session or Symposium Chair, Co-Chair</td>
<td>350</td>
</tr>
<tr>
<td>ISOPE Member</td>
<td>350</td>
</tr>
<tr>
<td>ISOPE member with new application (incl. 2007 membership fee and 1-year journal issues)</td>
<td>440</td>
</tr>
<tr>
<td>Non-Member</td>
<td>420</td>
</tr>
<tr>
<td>Spouses (no proceedings)</td>
<td>100</td>
</tr>
<tr>
<td>Full-time Student with 2006 ID Card</td>
<td>250</td>
</tr>
<tr>
<td>Reserve a seat for Symposium Tour</td>
<td>Free</td>
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</tbody>
</table>

* 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 2nd 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.

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.
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) 

<table>
<thead>
<tr>
<th>Hotel</th>
<th>Room Choice</th>
<th>Room Rates (RMB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dalian Liangyun Hotel</td>
<td>Single</td>
<td>340</td>
</tr>
<tr>
<td>(Symposium Venue)</td>
<td>Twin*</td>
<td>340</td>
</tr>
<tr>
<td></td>
<td>Lux Single</td>
<td>380</td>
</tr>
<tr>
<td></td>
<td>Lux Twin*</td>
<td>380</td>
</tr>
<tr>
<td></td>
<td>Suite**</td>
<td>498</td>
</tr>
</tbody>
</table>

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.isope.org.

Fax symposium registration form to:

Non-Mainland-China Participants : ISOPE PACOMS-2006
IOC, Fax: +1-650-254-2038 ; meetings@isope.org

Mainland-China Participants. ISOPE PACOM-2006 Secretariat
pacoms@dlut.edu.cn; Fax: +86 (411) 84708526

Ask the visa invitation form from: pacoms@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.isope.org.

ISOPE-OMS-2007
To be announced
Call For Papers on www.isope.org

ISOPE-2008 Vancouver, Canada
To be announced
Call For Papers on www.isope.org

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