

ISOPE-2007



Lisbon

The 17th International Offshore (Ocean) and Polar Engineering Conference & Exhibition

Lisbon, Portugal, July 1–6, 2007

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Since ISOPE-1992, the annual ISOPE conferences have been the world's largest technical conferences of its kind with peer-reviewed papers. **The ISOPE-2005 Seoul broke the all-time record-breaking attendance.** Following the successful organization of ISOPE- 2002 Kitakyushu, 2003 Honolulu, 2004 Toulon, **2005 Seoul** (93 sessions) and **2006 San Francisco** (91 sessions) Conferences, the **ISOPE-2007** is being organized by Technical Program Committee (TPC) of the **International Society of Offshore and Polar Engineers (ISOPE)** with 24 cooperating organizations and societies (a partial list on the back). Its objective is to provide a timely international forum for researchers and engineers.



Call For Papers

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DEADLINES	Abstract Submission	November 17, 2006
	Manuscript for Review	January 15, 2007
	Final Manuscript due	March 24, 2007

Prospective authors are invited to **submit (E-mail meetings@isoape.org or Fax 1-650-254-2038) your abstract** in 300-400 words to: (1) **One of TPC members** (session organizers, see backside); (2) **Online abstract submission** on www.isoape.org; or (3) **ISOPE-2007 TPC, P.O. Box 189, Cupertino, California 95015-0189, USA** (Phone 1-650-254-1871) (observing the above key dates. Abstract should emphasize the significance of the results and/or the originality. Abstract **must include** the paper title, all authors' and co-authors' names, affiliations, full addresses, and telephone and fax numbers and E-mail address of the corresponding author.

Some 80 technical and industry sessions with participation from some 45 countries will emphasize tentative topics:

OFFSHORE TECHNOLOGY & OCEAN ENGINEERING

Deepwater /Deep-Ocean Dev, Systems & Tech
FPSO, SPAR, TLP & Compliant Structures
Gas Transport: LNG/CNG//LPG/GTL
CFD, Hydroelastics, VLFS
Metocean & Extreme Environment: Climate,
Waves, Sea State
Subsea Systems & Operations
Fire, Safety, Inspection, Reassessment

Renewable Energy

Ocean Energy & Offshore **Wind** Energy
Ocean systems, **control** and operations

7th ISOPE OCEAN MINING Symposium

Deep-Ocean Mining and Ocean Resources
Gas Hydrates, Deep-Ocean-Water Upwelling

ENVIRONMENTS

Extreme Environment & Challenge
Environmental Impact and Modeling
Coastal, Marine, Arctic & Antarctic

Remote Sensing

GEOTECHNICAL ENGINEERING

Soil Properties and Improvements
Foundations & Pile, **Modeling & Simulation**
Earthquake Engineering, Dam Safety
Geo-Environment, **Gas Hydrates**

OFFSHORE MECHANICS

Hydrodynamics

Computational Fluid Dynamics (CFD) &Code
Numerical Wave Tank (NWT)
Waves; nonlinear, numerical, internal...
Tsunami, rogue waves
Hydrodynamic Forces & Dynamic Responses
Fluid-Structure Interactions, Vibration Control
Vortex Shedding & VIV

Mechanics, Structures & Reliability

Risk, Safety and Reliability
Engineering Reliability
Collision, Impact, Damages
Earthquake Engineering
Structural Mechanics, Ultimate Strength

Pipelines, Risers, Cables & Mooring

Mechanics of Risers, Mooring & Cables
Offshore and Arctic Pipelines
Reliability, Integrity & Safety, Materials
Forces, Dynamics, **Corrosion, Design**

ISO, Code and Standards

CFD & Computational Mechanics
Measurement Techniques

COASTAL ENGINEERING

Tsunami Modeling, Breakwater, **Long waves**,
Storm Surge, Wave Impact, Group Waves

ICE/POLAR ENGINEERING & SCIENCE

Ice Conditions, **Extreme Environment**
Ice Engineering in **Shallow Water**
Ice Mechanics, Modeling and Forces
Ice-Structures, Ice-breaking, Structures
Arctic & Antarctic Challenges
Atmospheric Icing

5th HIGH-PERFORMANCE MATERIALS Symposium

Materials, Welding & Smart Structures
Steel and Metal Alloy Development
Welding Technology
Composites & Smart Structures...
Nanomaterials, Emerging Materials
Strain-Based Design
Fatigue, Fracture, Corrosion Fatigue & SCC
Tubular Structures, Joints & Members

ADVANCED SHIP TECHNOLOGY

LNG/CNG/LPG/GTL; Naval Systems,
Ship Hydrodynamics and Structures

UNDERWATER SYSTEMS & OCEANOLOGY

AUV, ROV, Robotics & Subsea Intervention
Optics, Acoustic **Data/Communication**
Smart Vehicles
Deep-ocean, real-time and environ monitoring
Sensors, Networking & Control

PAPER REVIEW AND PUBLICATIONS. All papers will be rigorously reviewed prior to acceptance. The accepted papers will be included in the Conference proceedings, which will be available at the Conference and for worldwide distribution. Papers of archival value will be further considered for publication in the *International Journal of Offshore and Polar Engineering*—www.isoape.org.

Good ISOPE group discount room rates, Technical Visits, Social Events and Sightseeing tours are being arranged.

Send abstracts in 300–400 words to (1) ISOPE TPC Online (www.isopec.org) or (2) any of the initial members in the ISOPE Technical Program Committee (TPC) in the partial list below:

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