

# ISOPE-2009



## Osaka

# The 19th International Offshore (Ocean) and Polar Engineering Conference & Exhibition

Osaka International Convention Center, Osaka, Japan, June 21–26, 2009

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Plan to Attend ISOPE-2009 Osaka

Since ISOPE-1992, the annual ISOPE conferences have been the world's largest technical conferences of its kind with **peer-reviewed papers**: Proceedings are INDEXED by Engineering Index. The ISOPE-2007 Lisbon with more than 950 attendance broke the all-time record-breaking attendance. Following the successful organization of ISOPE-2007 Lisbon and ISOPE-2008 Vancouver, the ISOPE-2009 Osaka is being organized by Technical Program Committee (TPC) of the International Society of Offshore and Polar Engineers (ISOPE) with 27 cooperating organizations. Its objective is to provide a timely international forum for researchers and engineers.



## Call For Papers

Update at  
[www.isopec.org](http://www.isopec.org)

<b>DEADLINES</b>	<b>Abstract Submission</b>	<b>November 20, 2008</b>
	Manuscript for Review	January 20, 2009
	Final Manuscript due	March 24, 2009

Prospective authors are invited to **submit (E-mail [meetings@isopec.org](mailto:meetings@isopec.org) or Fax 1-650-254-2038) your abstract** in 300-400 words to: (1) **Online abstract submission** on [www.isopec.org](http://www.isopec.org); (2) **One of TPC members** (session organizers, see backside); or (3) **ISOPE-2009 TPC, 495 North Whisman Road, Suite 300, California 94043-5711, 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 48 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, Hydroelasticity, VLFS  
**METOCEAN & Extreme Environment:**  
Climate, Waves, Sea State, Arctic  
**Subsea** Systems & Installation  
**Shipbuilding & Ocean Materials**

### FRONTIER ENERGY RESOURCES TECHNOLOGY (FERT) Symposium

Engineering, Technology, Design And  
Materials related to Biofuel, Solar, Oil Sands,  
Shale Oil, Clean Coal, Methane Hydrates

### RENEWABLE ENERGY TECHNOLOGY

**Ocean** Energy  
Offshore **Wind** Energy  
**Deep-Ocean Resources, Gas Hydrates**  
Deep-Ocean Resources and Technology

### ENVIRONMENTS

Environmental Modeling and Impact  
Coastal, Marine, Arctic & Antarctic

### GEOTECHNICAL ENGINEERING

Soil Properties and Improvements, Geohazards  
Modeling & Simulation, Slope Stability  
Earthquake/Geoinformatics/GIS, Geo-environ  
Pipe-Soil Interaction, Foundations & Anchors

### OFFSHORE MECHANICS

#### HYDRODYNAMICS

Computational Fluid Dynamics (CFD) & Code  
Numerical Wave Tank (NWT)  
**Waves**; nonlinear, numerical, internal...  
**METOCEAN, Tsunami, rogue waves**  
**Liquid Sloshing & Impact and Design**  
Nonlinear Water-Structure Interactions  
Vortex Shedding & VIV

#### SLOSHING DYNAMICS Symposium

#### MECHANICS, SAFETY & RELIABILITY

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

#### Pipelines, Risers, Cables & Mooring

Deeper water and Arctic Pipelines & Risers  
Reliability, Integrity & Safety, Materials  
Mechanics, Design, Installation & Monitoring  
Vortex Shedding & VIV & Design

#### ISO, Code and Standards CFD & Computational Mechanics

#### COASTAL ENGINEERING

**Tsunami, Long waves, Storm Surge, Wave**  
Impact, Group Waves  
Breakwaters and Coastal Protection,

### HIGH-PERFORMANCE MATERIALS

#### Symposium

#### NANOTECH & NANOMATERIALS for Energy Applications

Emerging Materials  
**High Value-Added Steel, Ocean Materials**  
Steel and Metal Alloy Development  
Welding Technology  
**Composites, Smart Structures...**  
Fatigue, Fracture, Corrosion Fatigue & SCC  
Tubular Structures, Joints & Members

#### STRAIN-BASED DESIGN Symposium

#### ICE/ POLAR ENGINEERING & SCIENCE

Sea Ice: Engineering, Mechanics and Modeling  
Ice Forecasting, Arctic Climate & Environment  
Arctic MetOcean, Atmospheric Icing  
Ice-Structure Interactions, Arctic Structures,  
Arctic Transport: Shipping, Pipelines, Rescue

#### ADVANCED SHIP TECHNOLOGY

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

#### UNDERWATER SYSTEMS & OCEANOLOGY

**Deep-Ocean AUV, ROV, Gliders**  
**Robotics & Subsea Intervention**  
**Optics, Acoustics, Communication**  
**Smart Vehicles, Multiple Vehicles**  
Deep-ocean, real-time and environ monitoring

**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.isopec.org](http://www.isopec.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](http://www.isopec.org)) or (2) any of the initial members in the ISOPE Technical Program Committee (TPC) in the partial list below: **Abstract Deadline: October 20**

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ISOPE TPC  
P.O. Box 189  
Cupertino, CA 95015-0189, USA

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8th ISOPE OMS-2009 Chennai, India, September 20-24.