

# ISOPE-2011



## Maui

# The 21st International Offshore (Ocean) and Polar Engineering Conference & Exhibition

Hyatt Regency Maui Hotel, Maui, Hawaii, USA, June 19–24, 2011

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ISOPE-2011 Maui, Hawaii, rated the **Best Island in the World**

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 and Compendex**. Following the **all-time record-breaking attendance at ISOPE-2007 Lisbon with more than 950 attendances**, the **ISOPE-2010 Beijing received 1,385 abstracts, a new record**. The conference 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>October 20, 2010</b>
	Manuscript for Review	January 20, 2011
	Final Manuscript due	March 24, 2011

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) > Call for Papers > abstract online submission**; (2) **One of TPC members** (session organizers, see backside); or (3) **ISOPE-2011 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 **100** technical and industry sessions with participation from some **50** countries will emphasize tentative topics:

### OFFSHORE TECHNOLOGY & OCEAN ENGINEERING

**Deepwater /Deep-Ocean** Dev, Systems & Tech  
FPSO, SPAR, TLP & Compliant Structures  
**LNG, FLNG, LNG Plant**  
CFD, Hydroelasticity, VLFS  
**METOCEAN & Remote Sensing**, Climate,  
Waves, Sea State, Arctic  
**Subsea** Systems & Deepwater Installation  
**ISO, Code and Standards**

**FRONTIER ENERGY RESOURCES TECH**  
**(Frontier Energy) Symposium**  
Engineering, Technology, Design And  
Materials related to Clean Coal and Methane  
Hydrates

**9th OCEAN MINING Symposium**  
ISOPE OMS-2011: Deep Ocean

### RENEWABLE ENERGY & ENVIRONMENT Symposium

Offshore **Wind** Energy  
**Ocean** Energy ; Waves, Tidal  
Bioenergy from ocean  
Coastal, Arctic & Antarctic Oil Spill  
Environmental Modeling and Monitoring

### GEOTECHNICAL ENGINEERING

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

### OFFSHORE MECHANICS

#### HYDRODYNAMICS & CFD

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

#### SLOSHING DYNAMICS Symposium

#### COASTAL ENGINEERING

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

#### MECHANICS, SAFETY & RELIABILITY

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

#### SUBSEA, PIPELINES, RISERS, MOORING

Deeper water and Arctic Pipelines & Risers  
Reliability, Integrity–Management, Safety  
Materials, Mechanics, Design, Installation  
Pipeline-soil interactions, Flow Assurance  
Vortex Shedding & VIV & **Design**

#### CFD & Computational Mechanics

### HIGH-PERFORMANCE MATERIALS Symposium

**NANOTECH : Adv Functional Coatings**  
**ARCTIC MATERIALS**  
**FRICITION STIR WELDING**

#### High Value-Added Ocean Materials

Welding Technology  
Steel and Metal Alloy Development  
**Composites, Smart Structures...**  
Fatigue, Fracture, Corrosion Fatigue & SCC  
Tubular Structures, Joints & Members  
**STRAIN-BASED DESIGN Symposium**

#### ARCTIC SCIENCE & TECH Symposium

Arctic Oil&Gas Tech, Environment, Survey,  
Arctic Transport: Shipping, Pipelines & Risers  
Ice Loads, Engineering, Modeling , Forecasting  
Arctic Structures, Design, Safety&Risk, Icing  
Polar Pack ice, Oceanography, Meteorology

#### 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).

**Affordable ISOPE discount room rates (\$169) at Hyatt Regency Maui Hotel**, Social Events and Sightseeing tours are arranged.

Send abstracts in 300-400 words to (1) ISOPE TPC Online ([www.isopec.org](http://www.isopec.org)) or (2) any of the members in the ISOPE Technical Program Committee (TPC) in the partial list below: **Abstract Deadline: October 20**

**Dear Colleagues,**

On behalf of ISOPE-2011 TPC, we would like to invite your abstract for possible presentation at the 21st International Offshore and Polar Engineering Conference, Maui, Hawaii, June 19–24, 2011, including the associated specialty symposia on emerging topics: such as LNG Sloshing Dynamics & Design, Hydrodynamics & CFD, High-performance Materials, Nanomaterials, Strain-based Design, Frontier Energy Resources & Gas Hydrates, Arctic Science and Tech, Arctic Materials, and Renewable Energy and Environment. Click on [www.isopec.org](http://www.isopec.org) > [meetings](#) > [conference](#) or >ISOPE-2011 Maui: Affordable ISOPE room rates (\$169) at Hyatt Regency Maui Hotel.

Please join us in Maui and enjoy technical sessions in relaxed environment!

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