

# 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)

[www.isopec2011.org](http://www.isopec2011.org)

<http://www.isopec.org/call4papers/2011/HowToSubmitAbstractOnline.htm>

<b>DEADLINES</b>	<b>Abstract Submission</b>	<b>November 15, 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

Engineering, Technology, Design And  
Materials related to Clean Coal and Methane  
Hydrates

### 9th OCEAN MINING

ISOPE OMS-2011: Deep Ocean

### RENEWABLE ENERGY & ENVIRONMENT

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

Soil 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 & DESIGN

#### 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, POSITIONING

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

NANOTECHNOLOGIES for Clean Energy

FRICITION STIR WELDING for Oil & Gas

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

#### ARCTIC MATERIALS

#### ARCTIC SCIENCE & TECH

Arctic Oil & Gas Tech, Environment, Survey,

Arctic Transport: Shipping, Pipelines & Risers

Ice Loads, Engineering, Modeling , Forecasting

Arctic Structures, Design, Safety&Risk, Icing

Ice Management, Environment

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 & Aquabiomechanism

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) and [www.isopec2011.org](http://www.isopec2011.org)) or (2) any of the members in the ISOPE Technical Program Committee (TPC) in the partial list below: **Abstract Deadline: November 15**

### 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. In addition to strong sessions on the existing popular ISOPE topics, next year we continue to promote **additional** specialty *symposia* on emerging topics such as *LNG Sloshing Dynamics & Design, Hydrodynamics & CFD, High-performance Materials, Nanomaterials, Strain-based Design, Friction Stir welding, 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: Special 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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