

ISOPE-2011



Maui

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

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

www.isopec.org and www.isopec2011.org

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

www.isopec2011.org

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

DEADLINES	Abstract Submission	November 15, 2010
	Manuscript for Review	January 20, 2011
	Final Manuscript due	March 24, 2011

Prospective authors are invited to **submit (E-mail meetings@isopec.org or Fax 1-650-254-2038) your abstract** in 300–400 words to: (1) **Online abstract submission** on 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
FRICTION 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.

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 and 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 > [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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