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# First Call For Papers

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<b>DEADLINES</b>	Abstract Submission	<b>October 20, 2017</b>
	Manuscript for Review	January 15, 2018
	Final Manuscript due	March 24, 2018

Prospective authors are invited to **submit an abstract** in 300-400 words to: (1) **Online abstract submission or email [meetings@isopec.org](mailto:meetings@isopec.org)**; (2) **One of TPC members** (session organizers, see backside); or (3) **ISOPE-2018 TPC, 495 North Whisman Road, Suite 300, Mountain View, California 94043-5711, USA** (Phone 1-650-254-1871; Fax 1-650-254-2308), 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 140+ technical and industry sessions with participation from some 50+ countries will emphasize tentative topics:

### OFFSHORE TECHNOLOGY & OCEAN ENGINEERING

**Deeper Water System, Install & Decommission Subsea Umbilicals & Flexible Pipe**  
FPSO, SPAR, TLP, VLFS, Compliant Struct  
LNG, FSRU, FLNG, LNG Bunker & Storage  
Station-keeping; DPS, Mooring, Hybrid  
CFD, Hydroelasticity, Asset Integrity  
**METOCEAN & Remote Sensing**, Climate,  
Waves, Sea State, Arctic

#### ISO, Code and Standards

**FRONTIER Energy Resources Tech 12th (2018) Deep-Ocean Mining, Gas Hydrates (OMGH/OMS) Symposium**

### RENEWABLE Energy & Environ Symp.

Offshore Wind Energy, Wind Turbines  
Ocean Energy, Waves, Tidal, Current, OTEC  
Aero-, Hydro-, Geo Mechanics: Simulation  
Test, Control Simulation, Design Optimization,

### ENVIRONMENT

Carbon Capture **CCS**, Environmental Modeling & Impact, Oil Spill

### GEOTECHNICAL ENGINEERING

Computational Geomechanics, Modeling  
Soil Properties Slope Stability, Geohazards  
Foundations/Testing & Instrumentation Pile-Soil  
Interaction, Suction Piles  
Scour/Earthquake/Arctic Geo-Rock Mechanics

### OFFSHORE MECHANICS

#### HYDRODYNAMICS & CFD

CFD and NWT, and Hydroelasticity  
**Waves**; Loads, internal & external  
Wave-Structure Interaction Dynamics  
**METOCEAN, Tsunami, Rogue waves**  
Vortex Shedding & VIV (FIV) Suppression

#### SLOSHING & DESIGN Symposium TSUNAMI & Safety Symposium

#### COASTAL ENGINEERING & CFD

CFD, MPS, Tsunami, Typhoon, Storm Surge  
Hydrodynamics, Waves, Internal Waves  
Structures, Breakwaters, Port & Harbor  
Morphodynamics, Sediment Transport, Erosion

#### CFD & Computational Mechanics

#### SUBSEA, PIPELINES, RISERS

Deepwater & Arctic Pipeline, Subsea & Installation,  
Deepwater Riser & Design, Flow Assurance,  
Integrity Management, Pipe Soil interactions,  
Materials, **Asset Integrity**, Buckling,  
Flexible Pipe, Umbilicals, Power Cable  
Vortex Shedding & VIV (FIV) Suppression

#### SAFETY & RELIABILITY, MECHANICS

**Risk, Safety and Reliability**  
Collision, Impact, Damages,  
Structural Health Monitoring,  
Structural Mechanics, Ultimate Strength  
Computational Mechanics

### ARCTIC SCIENCE & TECH Symposium

Arctic Resources, Infrastructure, Logistics  
Arctic Transport: Shipping, Pipelines  
Arctic Structures, Design, Icing, Permafrost  
Ice Mechanics, Loads, Modeling, Forecasting  
Polar Meteorology, Pack Ice, Risk Management  
Testing, Arctic Environ, Remote Sensing

#### HIGH-PERFORMANCE MATERIALS

**Cryogenic Materials Symposium**  
**Arctic Materials Symposium**  
**Strain-Based Design Symposium**  
**Asset Integrity Symposium**  
**Nanomaterials Symposium**  
Materials Reliability  
Welding Technology  
Steel and Metal Alloy Development  
Composites, Smart Structures  
Fatigue, Fracture, Functional Coating  
Structural Integrity, Tubular Structures

#### ADVANCED SHIP TECHNOLOGY

Green Ship; Digital Shipbldg, Naval Systems,  
Ship Hydrodynamics and Structures  
Smart Ship, Ship Powering

#### UNDERWATER SYSTEMS

Deep-Ocean AUV, ROV, Gliders, Monitoring  
Oceanfloor Vehicle and Control  
Robotics & Control, Aquabiomechanism  
Optics, Acoustics, Communication  
Smart Vehicles

**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 *International Journal of Offshore and Polar Engineering* (ISSN 1053-5381)—[www.isopec.org](http://www.isopec.org).

Special ISOPE group room rate at **5-star hotel starts from \$80 and up.** 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, 2017**

**Dear Colleagues,**

On behalf of ISOPE-2018 TPC, we would like to invite your abstract for possible presentation at the 28th International Ocean and Polar (Arctic) Engineering Conference, Sapporo, Japan, June 10–15, 2018. In addition to strong sessions on the existing popular ISOPE topics, next year we continue to promote **additional specialty symposia on emerging topics** as listed on the front side.

Please join us in Sapporo, and enjoy technical sessions in a relaxed environment.

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