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# First Call For Papers

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<b>DEADLINES</b>	Abstract Submission	<b>October 20, 2018</b>
	Manuscript for Review	January 15, 2019
	Final Manuscript due	March 24, 2019

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-2019 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, AI

Deeper Water, Floatover-install, Decommission  
**Subsea** Umbilicals & Flexible Pipe  
Structural Health Monitoring (SHM)  
**Artificial Intelligence (AI)**, VR Simulation  
FPSO, SPAR, TLP, VLFS, Compliant Struct  
**LNG, FSRU, FLNG, LNG Bunker & Storage**  
Floating City, Bridge, Underwater Tunnel, Farm  
DP System, Mooring, Hybrid  
CFD, Hydroelasticity, Asset Integrity

### ISO, Code and Standards, Rules, Regulation Deep-Ocean Mining, Gas Hydrates

**OCEAN, WIND Renewable ENERGY Symp**  
Offshore Wind Energy, Wind Turbines  
**Ocean Energy:** Waves, Tidal, Current, OTEC  
Aero-, Hydro-, Geo Mechanics: Simulation  
Test, Control Simulation, Design Optimization,  
Energy Storage, Transmission

### OCEAN, ARCTIC ENVIRONMENT

Remote Sensing, Environment Monitorig,  
Impact, Oil Spill, Water Quality, Emission,  
Carbon Capture CCS

### GEOTECHNICAL ENGINEERING

Computational Geomechanics, Modeling  
Soil Properties Slope Stability, Geohazards  
Foundations, Frost Soil, Permafrost  
Pile-Soil Interaction, Spudcan, Suction Piles  
Subsea, Arctic, Scour, Earthquake

### OFFSHORE MECHANICS

#### HYDRODYNAMICS & CFD

CFD and NWT, and Hydroelasticity  
**Waves:** Loads, Impact Load  
Wave-Structure Interaction, CCP-WSI  
Metocean, Rogue waves, Tsunami & Impact  
Vortex Shedding & VIV (FIV) Suppression  
**SLOSHING & DESIGN Symposium**  
**Tsunami & Safety Symposium**

#### COASTAL ENGINEERING & CFD

CFD, MPS, ANN, GIS, Tsunami, Typhoon,  
Storm Surge, Hydrodynamics, Waves, Internal  
Waves, Boundary Layer, Morphodynamics,  
Structures, Breakwaters, Port, Ecosystem,

#### Artificial Intelligence (AI), Digitalization CFD & Computational Mechanics

#### SUBSEA, PIPELINES, RISERS, AI

Deepwater & Arctic Pipeline, HPHT, Subsea,  
Deepwater Riser & Design, Flow Assurance,  
Pipe Soil interactions, Stability, Buckling  
Knowledge Transfer, New Materials  
Flexible Pipe, Umbilicals, Composite Pipe  
Vortex Shedding & VIV Suppression

#### SAFETY & RELIABILITY, MECHANICS

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

### ARCTIC SCIENCE & TECH Symposium

Infrastructure, Arctic Harbor, Environment  
Arctic Transport: Shipping, Pipelines  
Structures, Design, Icing, Permafrost  
Ice Management, Ice Mechanics, Loads,  
Risk Assessment, Search & Risk  
Remote Sensing, Polar Meteorology, Pack Ice

#### HIGH-PERFORMANCE MATERIALS

**Cryogenic Materials, Arctic Materials Symp**  
Asset Integrity Symp  
Environment Assisted Cracking (EAC) Symp  
Additive Manufacturing, Nanomaterials  
Strain-Based Design  
High Strength Materials  
Welding Technology  
Steel and Metal Alloy Development  
Composites, Smart Structures  
Fatigue, Fracture, Functional Coating  
Structural Integrity, Tubular Structures

#### ADVANCED SHIP TECHNOLOGY

**Big data, IoT, EEDI; Digital Shipbldg**  
Ship Hydrodynamics, Cavitation, Optimization.  
Resistance, Adv Propulsion, Emission Control  
ASV, USV, Navigation, Control

#### UNDERWATER TECHNOLOGY

Deep-Ocean ASV, USV, AUV, ROV, Gliders,  
Seafloor Vehicles, Underwater Tunnel  
Robotics, Motion Control, Design, Development  
System, Sensing, Imaging, Navigation,  
Communication

**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; digital files on [www.onepetro.org](http://www.onepetro.org). 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 Hilton Hawaiian Village starts from \$199 and up. 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, 2018**

Dear Colleagues,

On behalf of ISOPE-2018 TPC, we would like to invite your abstract for possible presentation at the 29th International Ocean and Polar (Arctic) Engineering Conference, Honolulu, Hawaii, USA, June 16–21, 2019. 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 Honolulu, and enjoy technical sessions in a relaxed environment.

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