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# First Call For Papers

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<b>DEADLINES</b>	Abstract Submission	<b>October 20, 2019</b>
	Manuscript for Review	January 15, 2020
	Final Manuscript due	March 24, 2020

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-2020 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

AI, VR Simulation, Digitalization, Deeper Water, Floatover-install, Decommissioning  
**Subsea** Installation & Operation  
FPSO, SPAR, TLP, VLFS, Compliant Struct  
**LNG, FSRU, FLNG, LNG Bunker & Storage**  
Floating, Bridge, Underwater Tunnel, Farm DP System, Mooring, Hybrid  
CFD, Hydroelasticity, Asset Integrity, SHM

**ISO, Codes and Standards, Rules, Regulation**  
**DEEP-OCEAN MINING, GAS HYDRATES**  
Exploration, Environment, Technology

**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 Monitoring, Impact, Oil Spill, Contamination, Water Quality, Emission, Carbon Capture CCS

### GEOTECHNICAL ENGINEERING

Computational Geomechanics, Modeling  
Offshore Wind Foundation, Design, Install  
Big Data, Soil, Slope Stability, Geohazards  
Pile-Soil, Spud can, Suction Piles  
Subsea, Arctic, Scour, Earthquake, Permafrost

### 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, Learning, GIS, Tsunami, Typhoon, Storm Surge, Hydrodynamics, Waves, Internal Waves, Morphodynamics, Structures, Breakwaters, Port, Ecosystem

**Innovation, AI, Learning, ANN, Digitalization, Big Data, Digital Twin, CFD, Mechanics**  
**Vortex Shedding, FIV, VIV Suppression**

#### SUBSEA, PIPELINES, RISERS, AI

Deepwater & Arctic Pipeline, HPHT, Subsea, Deepwater Riser & Design, Flow Assurance, Pipe Soil interactions, Stability, Buckling  
Flexible Pipe, Umbilicals, Composite Pipe  
Machine Learning, ANN, New Materials,

#### SAFETY & RELIABILITY, MECHANICS

Risk, Safety and Reliability, Marine Evacuation  
Collision, Impact, Damage Mechanics  
Structural Mechanics, Ultimate Strength  
Computational Mechanics, SHM

### ARCTIC SCIENCE & TECH Symposium

Infrastructure, Arctic Harbor, Environment  
Northern Sea Route, Arctic Communities, Safety  
Ice Mechanics, Icing, Iceberg, Ice Management  
Structures, Pipelines, Design, Permafrost  
Model Ice Basin, Risk & Safety Assessment  
Remote Sensing, Polar Meteorology, Pack Ice

### HIGH-PERFORMANCE MATERIALS

Cryogenic Materials, Arctic Materials Symp  
Asset Integrity Symp  
Environment Assisted Cracking (EAC) Symp  
Additive Manufacturing Symp, Nanomaterials  
Renewable Energy Materials & Structures  
Natural Disaster Monitoring (NDT, remote)  
Knowledge Management  
Nanotechnology Materials, Smart Structures  
High Strength Materials, Welding Technology  
Fatigue, Fracture, Functional Coating  
Structural Integrity, Tubular Structures

### ADVANCED SHIP TECHNOLOGY

Big data, Learning, IoT, EEDI; Digital Twin  
Smart Ship, MASS, Hydrodynamics, Cavitation, Resistance, Adv Propulsion, Optimization.  
ASV, USV, Navigation & Control

### UNDERWATER TECHNOLOGY

Deep-Ocean Observation, Operations, CFD, Robotics, Control, Dynamics, Design, Sensing, Navigation,  
AUV, ROV, Gliders, Seafloor Vehicles, Tunnel

**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 rates **start from \$110 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, 2019**

**Dear Colleagues,**

On behalf of ISOPE-2020 TPC, we would like to invite your abstract for possible presentation at the 30th International Ocean and Polar (Arctic) Engineering Conference, Shanghai, China, June 14–19, 2020. 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 Shanghai, and enjoy technical sessions in a relaxed environment.

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