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First Call For Papers

Update at
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DEADLINES	Abstract Submission	October 20, 2019
	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**; (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

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), Machine Learning, ANN, IoT, CFD, Computational Mechanics

SUBSEA, PIPELINES, RISERS, AI

Deepwater & Arctic Pipeline, HPHT, Subsea,
Deepwater Riser & Design, Flow Assurance,
Pipe Soil interactions, Stability, Buckling
Machine Learning, ANN, New Materials
Flexible Pipe, Umbilicals, Composite Pipe
Vortex Shedding, FIV, 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. Papers of archival value will be further considered for publication in *International Journal of Offshore and Polar Engineering* (ISSN 1053-5381)—www.isopec.org.

Send abstracts in 300-400 words to (1) ISOPE TPC Online (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 15–20, 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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