



Join us at the Online/Virtual 2021 Conference; following the successful ISOPE-2020 Online/Virtual Conference

Since ISOPE-1992, the annual ISOPE conference has been the world's largest technical conference of its kind with papers, *and the proceedings with all papers peer-reviewed and paginated, and indexed by Scopus, EI Compendex, Thomson ISTP, Web of Science, Google Scholar, Chemical Abstracts and more*. Following the **then-record-breaking attendance at ISOPE-2007 Lisbon and the conference set new records with 1,700+ abstracts for ISOPE-2015 Hawaii. The 2021 conference** is being organized by the Technical Program Committee (TPC) of the **International Society of Ocean and Polar Engineers (ISOPE)** with **30+ cooperating organizations**. Its objective is to provide a timely international forum for researchers and engineers. ISOPE-2022 Conference will be back as "in-person (face-to-face) Conference.



First Call For Papers

Update at
www.isopec.org

Online submission <https://www.isopec.org/online-submission/>

DEADLINES	Abstract Submission	November 30, 2020
	Manuscript for Review	February 5, 2021
	Final Manuscript due	April 10, 2021

Prospective authors are invited to **submit an abstract** in 300-400 words to: (1) **Online abstract submission** (see above) **or email meetings@isopec.org**; (2) **One of TPC members** (session organizers, see backside); or (3) **ISOPE-2021 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/Turbines, **Ocean** Energy:
Waves, Tidal, Current, OTEC, **Hybrid** system
Aero-, Hydro-, Geo Mechanics: Simulation
Test, Control Simulation, Design Optimization,
Energy Storage, Transmission

OCEAN, ARCTIC ENVIRONMENT
Ocean Debris/ Micro Plastic, Oil Spills,
Contamination, Cleanup, CCS, Ship Emission,
Remote Sensing, Sensors, Monitoring/Impact,

GEOTECHNICAL ENGINEERING
Numerical Modeling, Liquefaction, Scour
Offshore Wind Foundation, Design, Install
Big Data, Soil, Slope Stability, Geohazards
Pile-Soil, Suction Piles, Anchor-Seabed
Arctic, Permafrost

OFFSHORE MECHANICS

HYDRODYNAMICS & CFD

CFD, SPH, NWT, Multi-scale Hybrid modeling
CCP-WSI, Flow Measurements/Simulation
Waves; Load, Impact Load, Hydroelasticity
Metocean, Rogue waves, Tsunami & Impact
Wave-Struct Interactions,
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
Particle Methods for Ocean and Coastal Symp

*Innovation, AI, Machine Learning, ANN,
Digital, Big Data, New Modeling, Mechanics*
Vortex Shedding, FIV, VIV Suppression

SUBSEA, PIPELINES, RISERS, AI

Subsea Digitalization, HPHT, Flow Assurance
Deepwater 3D Riser Mechanics, Pipe Soil inter
actions, Stability, Buckling, New Materials,
Flexible Pipe, Umbilicals, Composite Pipe

SAFETY & RELIABILITY, MECHANICS

Risk, Safety and Reliability, Earthquake,
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
Environment Assisted Cracking (EAC) Symp
Additive Manufacturing Symp, Nanomaterials
Renewable Energy Materials & Structures
Natural Disaster Monitoring (NDT, remote)
Asset Integrity, 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
LNG, Hydrogen processing, Electrical
Smart Ship, MASS, Hydrodynamics, Cavitation,
Resistance, Adv Propulsion, Optimization.
ASV, USV, Navigation, Maneuver, Control
Rules, Regulation

UNDERWATER TECHNOLOGY

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

PAPER REVIEW AND PUBLICATIONS: All papers will be rigorously **peer-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 the *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: November 20, 2020**

Dear Colleagues,

On behalf of ISOPE-2021 Conference TPC, we would like to invite your abstract for possible presentation at the 31st International Ocean and Polar (Arctic) Engineering Conference, Rhodes (Rodos), June 20–25, 2021. In addition to strong sessions on the existing popular ISOPE topics, we continue to promote **additional specialty symposia and focus sessions on emerging topics** as listed on the front side.

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