



Join us at the in-person ISOPE-2022 Conference with delayed celebration of the 30th 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 Compindex, Thomson ISTP, Web of Science, Google Scholar, Chemical Abstracts and more*. Following the **then-record-breaking attendance at ISOPE-2007 Lisbon, the conference set new records with 1,700+ abstracts for ISOPE-2015 Hawaii. The 2022 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 is back as an **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	October 20, 2021
	Manuscript for Review	January 20, 2022
	Final Manuscript due	March 28, 2022

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-2022 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, DIGITAL

AI, Control 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/Floating Tunnel, AquaFarm, DP System, Mooring, Hybrid
CFD, Hydroelasticity, Asset Integrity, SHM

DEEP-OCEAN MINING, GAS HYDRATES

Exploration, Environment, Technology, Design

ISO, Codes and Standards, Rules, Regulation

CLEAN ENERGY TECH, OCEAN, WIND

Hydrogen Tech, LNG Tech, Ammonia, Wind
Energy/Turbines, **Ocean** Energy: Waves, Tidal, Current, OTEC, **Hybrid** system, Aero-, Hydro-, Geo-Mechanics, Floating:Install, Noise, Control Simulation/Test, Optimization, Energy Storage

OCEAN, ARCTIC ENVIRONMENT

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

GEOTECHNICAL ENGINEERING

Parallel computation in Geotechnics, Numerical Modeling, Liquefaction, Scour Physical/Centrifuge Modelling, Geohazards Turbine Foundation, Design, Install, Pile-Soil, Suction Pile, Anchor, Big Data, Soil, Stability,

PAPER REVIEW AND PUBLICATIONS: All papers are rigorously **peer-reviewed** prior to acceptance. The accepted papers will be included in the Conference proceedings, available at the Conference and for worldwide distribution; digital files at www.onepetro.org/ISOPE. 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.

Special room rates arranged for ISOPE-2022 participants

OFFSHORE MECHANICS

HYDRODYNAMICS & CFD

CFD, Hybrid modeling, Comparative Study, CCP-WSI, Measurements/ **Digitalization, Waves**; Load, Impact Load, Hydroelasticity
Metocean, Rogue waves, Slamming, Wave-Struct Interactions, Bubble, **Renewables** Data-driven modelling/Machine learning
Vortex Shedding, VIV (FIV), Suppression
SYMPOSIA: SLOSHING, TSUNAMI, SPH,

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

Slugging induced Fatigue, Digitalization, HPHT, Deepwater 3D Riser Mechanics, Stability, Buckling, Flow Assurance, Pipe Soil interactions, Flexible Pipe, Umbilicals, Composite Pipe

MECHANICS, RISK & RELIABILITY

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

ARCTIC SCIENCE & TECH Symposium

Infrastructure, Arctic Harbor, Environment
Arctic Navigation, Arctic Route, Safety, Ice Mechanics, Iceberg, Icing, 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
Asset Integrity, Welding Technology Fatigue, Fracture, Structural Integrity, Tubular Structures
Renewable Energy Materials & Structures
Natural Disaster Monitoring (NDT, remote)
Knowledge Management, Functional Coating, Nanotechnology, Materials, Smart Structures
High Strength Materials,

ADVANCED SHIP TECHNOLOGY

Clean Fuel Technology, Hydrogen, Ammonia, LNG, Electric, Clean compliance, Rules, Big data, Learning, IoT, Digital; Smart Ship, MASS, Hydrodynamics, Cavitation, Adv Propulsion, Resistance, Optimization.
ASV, USV, Navigation, Maneuver, DP Control

UNDERWATER TECHNOLOGY

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

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, 2021**

Dear Colleagues,

On behalf of ISOPE-2022 Conference TPC, we would like to invite your abstract for possible presentation at the 32nd International Ocean and Polar (Arctic) Engineering Conference, Shanghai, June 6–10, 2022. 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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