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First Call For Papers

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Online abstract submission <https://www.isopec.org/online-submission/> or email to meetings@isopec.org

DEADLINES	Abstract Submission	October 20, 2024
	Manuscript for Review	January 20, 2025
	Final Manuscript due	March 28, 2025

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-2025 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

Floating Infrastructures, Immersed/Floating Tunnel/Bridge, Intelligent Ocean Tech, AI, ML, Control, Simulation, Digitalization, Floating Installation, Foundation, Decommissioning, FPSO, SPAR, TLP, VLFS, Compliant Struct. LH2., NH3, LCO2, LNG, Electric, FSRU, FLNG, LNG Aqua Farm, DP Control, Mooring, CFD, Hydroelasticity, SHM, Drilling & Completion, Codes and Rules

DEEP-OCEAN MINING, GAS HYDRATES

Exploration, Minerals, System, Control, Design Adv Dredging, Integrated Seabed Collection

RENEWABLE ENERGY: Ocean, Wind, ...

FOWT, Comparative Study, Ocean Energy: Waves, Tidal, Current, OTEC, Hybrid system, Aero-, Hydro-, Geo-Mechanics, Floating: Install, Noise, Control Simulation/Test, Energy Storage Hydrogen, LNG Tech, Solar, Nuclear

CLIMATE, ENVIRONMENT

CO2, CCS, NH3, Emission, Remote Sensing, Monitoring/Impact Ocean Debris, Micro Plastic, Oil Spills, Contamination, Cleanup,

GEOMECHANICS, ENGINEERING

Turbine Foundation, Design, Install, Pile-Soil, Anchor, Soil Stability, Big Data, Modeling, Physical/Centrifuge Modelling, Liquefaction, Scour, Geohazards

OFFSHORE MECHANICS

HYDRODYNAMICS & CFD

AI, ML, PINN, NN, CNN, **Data-driven modelling, Comparative Study - CCP-WSI Blind Test, FOWT, Particle Methods, Digitalization, Waves; Load, Impact, Slamming, Cavitation, Cavity & Collapse, Hydroelasticity, Metocean, Bubbles, Vortex Shedding, VIV/Suppression SYMPOSIA: Intelligent Hydrodynamics, Sloshing, Tsunami**

COASTAL ENGINEERING & CFD

Floating Infrastructures, Immersed/Floating Tunnel/Bridge, GIS, Tsunami, Typhoon, Storm Surge, Hydrodynamics, Waves, Internal Waves, Mooring, Breakwaters, Port, Ecosystem Particle Methods for Ocean and Coastal Symp

Innovation, AI, Machine Learning (ML), PINN, ANN, CNN, Digital, Big Data, MPH,

SUBSEA, PIPELINES, RISERS, AI

AI, Digitalization, HPHT, Deep Ocean 3D Riser Mechanics, Biaxial bending, Torsion, Stability, Buckling, Fatigue, Hydraulic/Air-lift flow, Pipe-Soil interactions, Flexible Pipe, Umbilicals, Composite Pipe

MECHANICS, RISK & RELIABILITY

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

POLAR SCIENCE & TECH Symposium

Ice Mechanics, Iceberg, Icing, Ice Management, Infrastructure, ML, CNN, RNN, Arctic Harbor, Environment, Arctic Shipping, Navigation, Route, Structures, Pipelines, Permafrost, Design, Remote Sensing, Meteorology, Pack Ice, Risk & Safety Assessment

HIGH-PERFORMANCE MATERIALS

Environment Assisted Cracking (EAC) Symp **Cryogenic Materials and Carrier Design Low Carbon (LC) Steel & Wind Struct, FOWT, Asset Integrity, Welding Technology, Fatigue, Fracture, Struct Integrity, Tubular Struct Nanotech, Functional Coating, NDT, 3D Print, Knowledge Management**

ADVANCED SHIP TECHNOLOGY

The 3rd Symp: Marine Transportation: CO2, H2, NH3 Carriers (MaTCH) Clean Fuel & Technology, LH2, LCO2, NH2., CCS, LNG, Electric, Hybrid Propulsion, ML, IoT, AI, Digital; Big data,

Smart Ship, Adv Propulsion, Cavitation, Power Optimization, Resistance, MASS, ASV, USV, Navigation, Maneuver, DP Control,

UNDERWATER TECHNOLOGY

AI, ML, CFD, Deep-Ocean Survey, imaging, AUV, ROV, Deep Seabed Vehicles, Robotics, Control, Design, Sensing, Navigation, Launch & Recovery, Floating/ Immersed Tunnel

PAPER REVIEW AND PUBLICATIONS: All ISOPE papers are **peer-reviewed** prior to acceptance. The accepted papers will be included in the Conference proceedings on USB, available at the Conference from ISOPE and for worldwide distribution.

* *Papers of archival value* will be considered for further in-depth review for the *International Journal of Offshore and Polar Engineering (IJOPE), SCI-E* (ISSN 1053-5381) www.isopec.org.

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Special ISOPE room rate at hotels close to KINTEX starts from USD100/night and up. Exchange rates vary.

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, 2024**

Dear Colleagues,

On behalf of ISOPE-2024 Conference TPC, we would like to invite your abstract for possible paper presentation at the **35th International Ocean and Polar (Arctic) Engineering Conference, Seoul-Kintex, Goyang/Gyeonggi-do, Korea, June 1-6, 2025**. In addition to strong sessions on 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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