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**VOLUME I**

**OFFSHORE MECHANICS, OCEAN TECHNOLOGY**

LNG, Fixed Structures, Float-over Installation, Floating Tunnel, Floating Bridges, FPSO, Floating System, Subsea, Drilling,

**UNDERWATER TECHNOLOGY**

Underwater Sensing, Path Planning/Control, Design/Application, CFD, Navigation, Thruster/Steering, Development, Manipulator/ROV

**ARTIFICIAL INTELLIGENCE, MACHINE LEARNING, DIGITALIZATION, NEURAL NETWORK**

**OCEAN MINING AND GAS HYDRATES SYMPOSIUM**

Deep Ocean Minerals (nodules & crust), Exploration, Miner Collector Touchdown, Gas Hydrates, Environment

**RENEWABLE ENERGY: OFFSHORE WIND TURNING AND OCEAN ENERGY AND STRUCTURES**

Offshore Wind Structures: Bottom Support, Floating Support, Vertical Axis, Wave Energy Converter, Tidal Energy, Installation and Decommission

**ENVIRONMENT AND ECOSYSTEM**

Water Quality, Oil Spill

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**SUBSEA, PIPELINES, RISERS AND UMBILICALS**

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**VOLUME III**

**HYDRODYNAMICS AND CFD**

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Generation, Disaster and Mitigation

**SLOSHING DYNAMICS AND DESIGN**

Rocket, SPH, e Impact, Baffles, Experiment, Simulation

**VORTEX-INDUCED VIBRATIONS (FIV, VIV)**

**COASTAL HYDRODYNAMICS**

Wave Mechanics and Modeling, Storm Surge, Waves on Structures, Behavior of Structures, Floating Breakwater, Sediment Transport, Coastal Management

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**HIGH-PERFORMANCE MATERIALS (HPM)**

Damage Mechanism Welding Technique, Fatigue, Fracture and Failure, Corrosion, Welding, Advances in Materials

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