



The 7th International Conference on Ocean Engineering (ICOE 2025)

Theme: Blue Economy and Sustainability

Final Schedule



Day 1: Monday, September 15, 2025

7:30 - 09:15		Registration Venue: IC&SR, IIT Madras
9:30 - 10:30		Inauguration and Welcome to ICOE 2025 Venue: TTJ Auditorium, IC&SR, IIT Madras
10:30 - 10:45		Exhibition Opening and Group Photo Session
10:45 - 11:15		High Tea
		Venue: TTJ Auditorium, IC&SR, IIT Madras
11:15 - 11:45	Plenary Talk 1	Blue economy and way forward - Prof. Balaji Ramakrishnan, Director, National Institute of Ocean Technology, India
11:45 - 12:15	Plenary Talk 2	Control Co-Design of a 100KW Wave Energy Converter - Prof. Lei Zuo, Herbert C. Sadler Professor of Engineering, University of Michigan, USA
12:15 - 12:45	Plenary Talk 3	Advances in Air Turbine Technology for Bi-directional Flow: Insights from Three Decades of Research -Prof. Manabu Takao, National
12:45 - 14:30		Lunch break
14:30 - 15:30	Paper ID	Session 1 - TTJ Auditorium, IC&SR, IIT Madras
	ICOE2025-OS-082	Propeller shaft vibration and its influence on Structural joints Sudhershnan, S., Vijayan, K.
	ICOE2025-OS-075	Numerical Investigation of the slamming load on wedge shaped bodies using IITM-RANS3D Joshay, J., Hari Ram, N., Mary John, B., T Issac, M., Sriram, V., Vijayakumar, R.
	ICOE2025-OS-175	A study on scale effects on natural frequency and damping of a spar platform Pani, S., Saha, N., R, S.
	ICOE2025-OS-104	Hydrodynamic performance analysis of OWC integrated with floating breakwater Remanan, A., Muduli, R., Karmakar, D.
14:30 - 15:30	Paper ID	Session 2 - Hall 1, IC&SR, IIT Madras
	ICOE2025-AIBD-033	Physics-Informed Conv-LSTM Model for Marine Ecosystems: Predicting Chlorophyll in Karaikal (2026 to 2028) K, D., M, V., P, P.
	ICOE2025-AIBD-086	Prediction of Inland Water Bodies(IWB) from Multi-Spectral Images and Comparative analysis using Deep Learning Models Bharathi P, D., B, S.
	ICOE2025-AIBD-183	Enhancing Ship Performance Through Stern Flap Optimisation: Insights from Experiments, Simulations, and Machine Learning Tripathi, S., Vijayakumar, R.
	ICOE2025-AIBD-217	Advancing Deep-Sea Resource Exploration: Data-Efficient Polymetallic Nodule Segmentation Using Optimized SAM V P, K., P, N., M, V., A, S., P, M., K, G.



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14:30 - 15:30	Paper ID	Session 3 - Visweswaraya Seminar Hall (VSH), Department of Civil Engineering, IIT Madras
	ICOE2025-ORE-249	Sensitivity Analysis and Parametric Experimental Studies on Laboratory Scale Open Cycle OTEC Plant Pattanaik, B., A, K., Y.V, N., Dudhgaonkar, P., G, V.
	ICOE2025-ORE-017	Investigation of Hydrokinetic Turbines under Low Magnitude Velocity Streams: An Experimental Study Gohil, P.
	ICOE2025-ORE-027	Hydrodynamic Stability Assessment of Long Subsea Pipelines for Ocean Thermal Energy Conversion Systems Majumdar, A., Vishwanath, A., Jaliha, P.
	ICOE2025-ORE-253	Surface Cavity-induced Passive Flow Control of NACA0012 Airfoil Gupta, A., Verma, B., SAINI, G.
	ICOE2025-ORE-257	Effect of A Patch of Semi-Circular Sandbars on the Performance of an Oscillating Water Column Venkateswarlu Valliboina, Kottala Panduranga
15:30 - 16:00		High Tea
16:00 - 17:30	Paper ID	Session 4 - TTJ Auditorium, IC&SR, IIT Madras
	ICOE2025-CCPS-142	Optimizing Climate Change using Environmental, Social, Governance Metrics Dcosta, R., Singh, R.
	ICOE2025-CCPS-061	Experimental Studies on Change in Indian Climatic Condition, Construction Waste and Pollution Factor Affecting the Aquatic Life of Poecilia Reticulata (GUPPIES) Communities V K, J., J, D.
	ICOE2025-CCPS-121	Assessing Coastal Urban Heat Islands and Air Quality Impacts on Coastal Environments: A Case Study of Mumbai, Chennai, Mangalore, and Visakhapatnam A, C., H.R, S.
	ICOE2025-CCPS-094	Early Detection of Harmful Algal Blooms by Integrating Machine Learning Models Dayalani, A., Gupta, L., Mohan, D.
16:00 - 17:30	Paper ID	Session 5 - Hall 1, IC&SR, IIT Madras
	ICOE2025-BEOE-112	Innovative and Technological Marine Tourism: Successful Global Experiences and Development Opportunities in Iran Hasani Asyabdareh, Y., Adjami, M., Moonesun, M.
	ICOE2025-BEOE-014	Integrating Engineering, Economics, Environment, and Society in Marine Energy Development: A Case Study from Beaver Island, Michigan Vijayasankar, V., Zuo, L.
	ICOE2025-BEOE-088	PE-LiNN: A Hybrid Physics-AI Framework for Predicting Ocean Color Chlorophyll-a Concentration in the Karaikal Region Using Remote Sensing Data B, A., K, D., B, S., M, V.
	ICOE2025-BEOE-028	APY Analysis: Physical and Chemical Parameters driven analysis to boost aquaculture productivity of shrimp and seaweed farming Nemani, S., Prabhuraman, S., Das, A.



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16:00 - 17:30	Paper ID	Session 6 - Visweswaraya Seminar Hall (VSH), Department of Civil Engineering, IIT Madras
	ICOE2025-MVFB-018	Implementation of ship energy meter onboard vessel to address the GHG emission problems Gopal, G.
	ICOE2025-MVFB-085	Technical Considerations in Static Stability and General Arrangement of Floating Hotel Barges: A Case Study Hasani Asyabdareh, Y., Moonesun, M., Adjami, M.
	ICOE2025-MVFB-136	Numerical Investigation of the Effect of Air Lubrication System on a Medium Froude Number Displacement Vessel S, G., Vijayakumar, R.
	ICOE2025-MVFB-006	Estimating Hydrodynamic Parameters of Marine Propellers: A Study on Composite Materials Kuruvila Palathara, A., Vijayakumar, R., S, G.



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	Paper ID	Session 7 - TTJ Auditorium, IC&SR, IIT Madras
9:00 - 9:30	Keynote Lecture 1	Dunes for Coastal Protection – A Management Strategy for Dynamic Nature Based Solutions Under Climate Change - Prof. Dr.-Ing. Jürgen Stamm, TU Dresden, Germany
9:30 - 10:30	ICOE2025-BEOE-041	Harnessing Chennai's blue economy fisheries sector opportunities, overcoming challenges, and implementing strategies for sustainable growth Joshua N, J., Sivabalan, P., Prem Anandh, A.
	ICOE2025-BEOE-047	Review on Factors Affecting Offshore Jacket Structures and Methodologies Employed for Strengthening the Offshore Structures J, D., Sivabalan, P.
	ICOE2025-BEOE-141	Passive Acoustics as a Tool for Coral Reef Assessment in Malvan, Maharashtra Chakraborty, S., Chakraborty, B., Maurya, P., B, M., P Mahale, V.
	ICOE2025-CCPS-158	Mapping the Impact of Microplastic Pollution on Fisheries Sector in India through the Lens of the UN SDG Framework: Perspectives to Support Blue Economy Tailor, F., Channarayapatna, S., Pandey, C.
	Paper ID	Session 8 - Hall 1, IC&SR, IIT Madras
9:00 - 9:30	Keynote lecture 2	Advancing Marine Robotics: Innovations, Challenges, and Collaborative Pathways - Prof. Nuno Alexandre Cruz, University of Porto, Portugal
9:30 - 10:30	ICOE2025-MVFB-032	Improving Safer Navigation Buoy Handling Operations with System Interface Approach Rizky Ramadhan, P., Kuo, C.
	ICOE2025-MVFB-214	Assessment of suitable time step for predicting the response of a floating structure in ir-regular sea condition using Impulse Response Function based formulation Acharya, A.
	ICOE2025-MVFB-127	Artificial Intelligence Algorithms for SWARM-Based AUV Control Kakarala, S., C, R., Parimisetty, S., Desai, R.
	ICOE2025-MVFB-229	Hydrodynamic Design and Analysis of AUV Hulls Inspired by Shark Morphology Parvez, M., Vijayakumar, R.
	Paper ID	Session 9 - Hall 2, IC&SR, IIT Madras
9:00 - 9:30	Keynote Lecture 3	Offshore Geotechnics: From Research to Practice - Prof. Santiram Chatterjee, IIT Bombay, India
9:30 - 10:30	ICOE2025-MGE-242	Influence of Loading Paths in Characterizing Soil Behaviour Under Offshore Loading Conditions Prasanna, R., Sivathayalan, S.
	ICOE2025-MGE-203	Geotechnical Challenges and Design Considerations for Shared Anchors in Floating Offshore Wind Farms: A Review Ramasamy, V., Ghorai, B.
	ICOE2025-MGE-225	Seismic Liquefaction Response of Quay Walls using UBC3D-PLM Model Mandal, S., Anupoju, H., Mistry, D., Kumar Singh, A., Dodagoudar, G.
	ICOE2025-CCPS-258	Assessment of Artificial Intelligence on Ocean Sustainability and Climate Change: A Coastline Perspective Singh, R., Singh, A., Katragadda, R., Kumar, V.



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10:30 - 11:00		High Tea
	Paper ID	Session 10 - TTJ Auditorium, IC&SR, IIT Madras
11:00 - 11:30	Keynote Lecture 4	Studies on Inland Navigational Challenges - Prof.K. Murali, IIT Madras, India
11:30 - 12:30	ICOE2025-OS-233	Feasibility assessment of the Bottom-Supported Tension Leg Tower (BSTLT) with a 15MW offshore wind turbine at 75m water depth ., A.
	ICOE2025-OS-120	Prediction of Wave Reflection Coefficient of Vertical Caisson Type Breakwater Using Artificial Neural Network and Extreme Learning Machine Krishna A, S., U, K., Rao, M., Rao, S.
	ICOE2025-OS-097	Experimental Investigation on Stability and Hydraulic Performance of Breakwaters Armoured with Woven Geosynthetic Bags Filled with Sand-cement Amgoth, S., G Shirlal, K., Umesh, P., Kolathayar, S.
	ICOE2025-OS-106	Effect of articulated floating elastic plate integrated with porous breakwater on flexural gravity wave blocking Gabigol, J., Firdaus, S., Kadaba Puttanna, V., Karmakar, D.
	Paper ID	Session 11 - Hall 1, IC&SR, IIT Madras
11:00 - 11:30	Keynote Lecture 5	Water as a Battery - how to leverage the water-energy-nexus - Dr.Georg Herborg, Danfoss High Pressure Pumps, Denmark
11:30 - 12:30	ICOE2025-MVFB-123	Hydrodynamic Performance of Three AUVs in Formation. Khan, A., Warrior, H.
	ICOE2025-MVFB-052	Trajectory tracking control of Unmanned surface vehicles with thruster fault accommodation in the presence of environmental disturbances using adaptive sliding mode control S, S., Mohan, S.
	ICOE2025-MVFB-185	Development of standardized tools for ship hull optimization Suresh Varghese, S., Rajendran, S., Ebenezer, D.
	ICOE2025-MVFB-073	Some Experimental Investigations on Friction Stir Welding of Al/SiC MMC and Al7075 Singh, P., Narayan, A., Bala, Y.
	Paper ID	Session 12 - Hall 2, IC&SR, IIT Madras
11:00 - 11:30	Keynote Lecture 6	Development of Floating Kuroshio Turbine in Taiwan - Prof. Jiahn-Horng Chen, National Taiwan Ocean University, Taiwan
11:30 - 12:30	ICOE2025-ORE-054	Foreseeing The Spatio-Temporal Variations Of Harnessable Wind Power Density Due To Climate Change In the Indian Offshore Region Nagababu, G., Patwa, P., Kachhwaha, S., Puppala, H., Surisetty, V.
	ICOE2025-ORE-046	Wave Energy Research at the Hawaii Marine Energy Center (HMEC), University of Hawaii at Manoa: An Overview Rajagopalan, K., Cross, P., Li, N., Heitmann, T., Pappas, K., Encke, C., Gedikli, E., Rafiei, A.
	ICOE2025-ORE-079	Effect of Downstream Deflectors in a Savonius Hydrokinetic Turbine Parasuram, A., Kerikous, E., G Shahabadi, A., Thévenin, D., Venkatesan, N., Samad, A.
	ICOE2025-ORE-222	Numerical Modelling of a Wave-Powered Desalination System Using Hydraulic Power Take-off (PTO) T V S, K., Samad, A.



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12:30 - 14:00		Lunch Break
	Paper ID	Session 13 - TTT Auditorium, IC&SR, IIT Madras
14:00 - 14:30	Keynote Lecture 7	Climate Change Impact and Adaptation Strategies for Coastal Infrastructures - Prof.Sannasiraj, IIT Madras, India
14:30 - 15:30	ICOE2025-OS-211	Hydrodynamic response of a Novel semi-submersible floater supporting a Vertical axis offshore wind turbine subjected to regular waves M B, P., Vishnu, A.
	ICOE2025-OS-020	Numerical Modelling of Porous and Non-porous Submerged Breakwaters as Retrofits to the Vertical Seawalls Nimma, R., V K, S.
	ICOE2025-MVFB-232	Vessel Dynamic Positioning Capability Analysis with Optimal Thruster Allocation Duraishamy, N., A, A., D, L., Kumar, T.
	ICOE2025-MVFB-024	A Study on Wave-Induced Motion of Multi-Body Floating Photovoltaic System with Hinged Connections in Catenary Station-Keeping Condition Izzuddin Jifaturrohman, M., Utama, I., Satrio, D., Putranto, T., Huang, L.
	Paper ID	Session 14 - Hall 1, IC&SR, IIT Madras
14:00 - 14:30	Keynote Lecture 8	Offshore Wind Energy Technologies - Dr. Kumaravel Rathinavel, Deutsche WindGuard GmVh, Germany
14:30 - 15:30	ICOE2025-ORE-007	Comprehensive Review on The Feasibility Studies of Offshore Wind Farms in the Coastal Regions of South India K, N., Abdul Akbar, M.
	ICOE2025-ORE-144	Performance study of an oscillating water column (OWC) device using a 60-degree Inclined lip wall at various wave characteristic Manjul, R., Roy, P.
	ICOE2025-ORE-009	Experimental Determination of the Hydrodynamic Loading on Vertical-Axis Cross-flow Tidal Turbines with Blade Embedded Autonomous Sensors Hoerner, S., Bennecke, T., Kösters, W., Ruiz-Hussmann, K., Jayaprakash, A., Abbaszadeh, S., Delafin, P., Bonamy, C., Leidhold, R., Tuhtan, J.
	ICOE2025-ORE-043	Study on Counter-rotating Sail Wing Turbine for Wave Energy Conversion Nishimura, J., Iitsuka, Y., Okuhara, S., Takao, M.
	Paper ID	Session 15 - Hall 2, IC&SR, IIT Madras
14:00 - 14:30	Keynote Lecture 9	Marine pollution as one of the UN Ocean Decade Challenges : New approaches in pollution biomonitoring - Prof. Amel Hamza-Chaffai, University of Sfax, Tunisia
14:30 - 15:30	ICOE2025-CCPS-238	Impact of Ocean Acidification on the Marine Ecosystem of Indian Subcontinent Bhakne, S.
	ICOE2025-CCPS-143	Influence of ENSO on Extreme Storm Surges over the Indo-Pacific Region Kumar, P., Saha, K., ., R.
	ICOE2025-CCPS-109	An innovative Multi-Dimensional Coastal Vulnerability Assessment Framework: A Case Study of the Pulicat Lake Landscape, India Bonthu, S., Jeevamani, J., R, M., K, M., Ganguly, D., Samuel, D., R, P.
	ICOE2025-CCPS-188	Sustainable Solution for Offshore Drilling Fluid Disposal: Utilizing Recycled Drilling Fluids in Concrete Mixes Moh Saad Mohammedbhai, B., Nihad Ali, M., Saadullah, M., Byakod, M., Gogoi, B., Sanjeevaiah, N.



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	Paper ID	Session 16 - Hall 3, IC&SR, IIT Madras
14:00 -14:30	Keynote Lecture 10	Application of AI in Seakeeping Performance - Prof.Ranadev Datta, IIT Kharagpur, India
14:30 -15:30	ICOE2025-AIBD-056	NeuroQAE: Enhancing Fish Species Classification through Reinforcement Learning Driven Autoencoders R, B., T, K.
	ICOE2025-AIBD-125	A comparative study on the Machine Learning and Deep Learning algorithms in the prediction of wave parameters Praneeth Kumar, Y., Gnyani, K., Vasudev, K.
	ICOE2025-AIBD-051	Fault Detection in Ball Bearings applying physics informed Frequency- features using Deep Learning Kumar, A., Vijayan, K., Jose, A.
	ICOE2025-ORE-058	Dynamic Control and Sensing Architecture for Experimental Intracycle Pitching in Cross-Flow Turbines Jayaprakash, A., Hoerner, S., Abbaszadeh, S., Leidhold, R.
15:30 - 16:00		High Tea
16:00 - 17:00	Paper ID	Session 17 - TTI Auditorium, IC&SR, IIT Madras
	ICOE2025-OMOG-204	Non-Invasive Ultrasonic Based Measurement of Slurry Density S, N., J, V., K, V., P, P., P, K., P, M., K, G.
	ICOE2025-OMOG-226	Innovations in Sand Control for Upstream Petroleum: A Technical Review of Strategies and Applications Tavanandi, B., Kumar, A., Nehri, S., Thorat, V., Bhat, S., Jadhav, A., Naik, S.
	ICOE2025-OMOG-072	Optimizing Nanoparticle Properties for Enhanced Oil Recovery: A Machine Learning Approach in Extreme Reservoir Conditions verma, N., Zala, K., Chaudhary, R., Singh, R.
	ICOE2025-OMOG-192	Impact of Hybrid Organic Additives on Drilling Fluid Performance Siddique, M., Ahmed, J., Mulasa, V.
16:00 - 17:00	Paper ID	Session 18 - Hall 1, IC&SR, IIT Madras
	ICOE2025-MVFB-130	Study on Oil Viscosity influence in Underwater Hydraulic systems S, R., P, M., Chandrasekaran, K.
	ICOE2025-MVFB-095	Effect of Sawtooth Micro-Riblets on Hydrodynamic Drag Reduction of Underwater Vehicles T, S., Talla, G., Kumar Lam, P.
	ICOE2025-MVFB-256	Development of Boundary Element Method based Neural Network model for predicting Ship motion under slamming load Banerjee, S., Peerali Paloth, F., Datta, R., Acharya, A.
	ICOE2025-MVFB-048	Hydrodynamic response analysis of core-skin composite marine cycloidal propeller blade Kunnamkulangara, S., Dash, A.



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16:00 - 17:00	Paper ID	Session 19 - Hall 3, IC&SR, IIT Madras
	ICOE2025-BEOE-128	A Study on the hygrothermal conditioning effects of the fiber metal laminates used for subsea applications Prasanna Dannina, N.
	ICOE2025-BEOE-126	A Levelised Cost Based Comparison of Two Ocean Observing Technologies Hasan, S., Dias, F.
	ICOE2025-BEOE-168	Opportunities and challenges of marine fisheries sectors to implement blue economy in Bangladesh Jahan, R., Mahmud, M.
	ICOE2025-BEOE-235	Combined experimental and numerical study on wind-generated waves Soman, S., Kumar Singh, S.
	ICOE2025-ORE-080	Optimization of hydrofoils with trailing edge serrations for low-speed marine currents K, M., Thiagarajan, V., Samad, A.
18:00 - 22:30		Gala Dinner, Holiday Inn Chennai OMR



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Day 3: Wednesday, September 17, 2025

9:00 - 13:00	3 rd Annual In-House Symposium	Hall 3, IC&SR, IIT Madras
13:00 - 15:00		Hall 1, IC&SR, IIT Madras
13:00 - 15:00		Hall 2, IC&SR, IIT Madras
		SCHOLARS' COMMUNION FOR OCEAN RESEARCH AND ENGINEERING (SCORE 2025) EVENT
	Paper ID	Session 20A -Room no: 207 - New Academic Complex-II (NAC II)
9:00 - 10:30	ICOE2025-ORE-218	Numerical Investigation of Augmented Helical Hydrokinetic Turbines: Transient Performance and Flow Characteristics Avinash G S
	ICOE2025-MVFB-042	Underwater object detection using multimodal sensors: Neuromorphic sensing technology Chaitanya Patil
	ICOE2025-CCPS-038	Evaluating Mangrove as a Nature-Based Coastal Defences for Tsunami Risks in Seismically Active Andam Sathish Kumar V
	ICOE2025-OS-252	Noise due to clouds of bubbles caused by wind: Observations from the deep ocean R P Raju
	ICOE2025-OS-105	Numerical modelling of oblique wave interaction with a dual curved leg pontoon floating breakwater Jothika P
	ICOE2025-CCPS-084	Physics-Based Data-Informed Real-Time Sensing of Coastal Flooding Muthukumar Narayanaswamy
	ICOE2025-OS-223	Validation of IITM-RANS3D for wave interaction with jacket structure Priyanka Khade
	ICOE2025-BEOE-089	Assessment of Shoreline Movement at Azhikkal Harbour along Kerala Coast Dr. Kunhimammu Paravath
	ICOE2025-CCPS-163	Quantification of real-time and long term compound flood hazards for emergency response and planning Muthukumar Narayanaswamy
	ICOE2025-CCPS-012	Application of Discrete Wavelet Transform and ITA for Rainfall Analysis in GCC Niranjani Rajendran



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9:00 - 10:30	Paper ID	Session 20B -Room no: 208 - New Academic Complex-II (NAC II)
	ICOE2025-ORE-243	Hydrogen Production from Saline Water Electrolysis: A System Dynamics Approach Deepak D Adiga
	ICOE2025-AIBD-070	Charting New Waters: Adoption of AI across Dutch and Danish Ports Maitrayee Mullick
	ICOE2025-OMOG-180	Advancing Deepwater Drilling: A High-Performance Ester-Based SBM for Extreme Temperature Conditions Nemala Maheswari
	ICOE2025-CCPS-138	Mapping Innovation: A Patent Landscape Review of Technological Development in Marine Sectors in Indi Kavya Gupta
	ICOE2025-BEOE-171	Assessment of Rapidly Changing Sea-Swell Compositions from Moored Buoy Wave Spectra in the Northern Kalyani Manthripragada
	ICOE2025-OMOG-180	Advancing Deepwater Drilling: A High Performance Ester-Based SBM for Extreme Temperature Condition Dr. Geetanjali Chauhan
	ICOE2025-CCPS-260	Driving Factors of Sustainable Development in the Port City of Visakhapatnam: An Empirical Assessmen Abeer Sanyour
	ICOE2025-ORE-026	Dynamic Analysis of the Power Cable for 15MW Floating Offshore Wind Turbine Neeraj Aggarwal
	ICOE2025-MGE-270	Experimental Study of Annulus Cemented Stone Columns for Enhancing Soft Soil Bearing Capacity Pramila Sadashiv Kale
	ICOE2025-OS-239	Performance of an inverted -type porous breakwater in front of a seawall using DBEM Mustaque Alam
	Paper ID	Session 21 - TTJ Auditorium, IC&SR, IIT Madras
9:00 - 9:30	Keynote Lecture 11	Advancing Ocean Engineering: Scaling laws for sediment pick up and innovative applications. - Prof. Geert H. Keetels, TU Delft, Netherlands
9:30 - 10:30	ICOE2025-BEOE-189	Turbidity-Sediment Concentration Relationship Estimation for Bentonite Clay and Deep-Sea Sediments of the Central Indian Ocean Basin S, S., P, M., K, G.
	ICOE2025-MGE-255	Data-Driven Methods for Generating Synthetic CPT Profiles in Offshore Wind Farm Zones Alahari, M., Garala, T.
	ICOE2025-MGE-090	Eutrophication in Temperate Lakes: AI-Driven Mitigation Strategies Raj, A., Danve, A., Mohan, D.



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	Paper ID	Session 22 - Hall 1, IC&SR, IIT Madras
9:00 - 9:30	Keynote Lecture 12	Blocking Dynamics of Flexural Gravity Waves in Homogeneous and Stratified Fluids: An overview - Prof. Trilochan Sahoo, IIT Kharagpur, India
9:30 - 10:30	ICOE2025-ORE-083	Power Electronics for Ocean Wave Energy Converters - A Review Chaudhuri, S., Kumar, P., Santhanakrishnan, T., Chaudhuri, A., Karuppaswamy B, A., Samad, A.
	ICOE2025-ORE-067	Establishing Regional Specific Standards for Metocean Energy Yield and Resource Assessment Vallarampara, J.
	ICOE2025-ORE-034	Enhancing Aerodynamic Performance and Durability of a 25 KW Wind Turbine Rotor Through Leading-Edge Tubercle Design K. S., S., D., S., K., D., D. L., V., BOGADI, S.
	ICOE2025-ORE-064	Geometrical Investigation on J-Shaped Oscillating Water Column Wave Energy Converter Integrated with Floating Breakwater Thasneem.N S, N., V S, R., J S, J., R S, S., Srivastava, A., Saji, D., A J, S.
	Paper ID	Session 23 - Hall 2, IC&SR, IIT Madras
9:00 - 9:30	Keynote Lecture 13	Autonomous Systems for Marine Monitoring - Ms. Sarojini Maurya, National Institute of Ocean Technology, India
9:30 - 10:30	ICOE2025-AIBD-300	Deep Learning-Based Underwater Image Quality Evaluation: A Comprehensive Review Kotwal, A., Singh, P., Mahajan, P.
	ICOE2025-AIBD-216	Adaptive Color Restoration and Detail Restoration In Underwater Image Enhancement SRINIVASAN, S., K, M., S, S.
	ICOE2025-AIBD-213	Cooperative Multi-Pursuer Formation Control for Autonomous Surface Vessels with Faster Moving Evader Yadav, S., Somayajula, A.
	ICOE2025-MVFB-300	Armature control of DC motor for marine screw propeller application Haider, A., Nagarajan, V.
10:30 - 11:00		High Tea
11:00 - 12:30	Paper ID	Session 24 - TTJ Auditorium, IC&SR, IIT Madras
	ICOE2025-CCPS-267	Coupled Ocean-Atmosphere model simulations for investigating the Aerosol Radiative Forcing effects on Regional Climate and SST over the Bay of Bengal Benny, M., Jagannathan, A., Sarangi, C.
	ICOE2025-CCPS-134	Assessment and Modelling Non-Stationarity in Significant wave height along Kerala Coast P, D.
	ICOE2025-CCPS-102	Tracking glacial changes through Passive Acoustic Monitoring Raja, K., M C, S., Latha, G., A, T., G, R., C, D.
	ICOE2025-CCPS-300	Enhanced PM2.5 Prediction with Feature-Engineered Meteorological Data Gupta, V., Dash, Y., Abraham, A.
	ICOE2025-ORE-068	Submarine HVDC Cable Australia to Singapore Hajihosseini, M., A. Gorji, S.



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11:00 -12:30	Paper ID	Session 25 - Hall 1, IC&SR, IIT Madras
	ICOE2025-BEOE-234	AI-Driven Wave Dynamics Analysis: Investigating Wind-Wave Interactions in a Controlled Environment S Duth, P., Kumar Singh, S., Kumar, P.
	ICOE2025-BEOE-215	Design Schemes of Three-Dimensional Acoustic Array Structures for Underwater Studies Ajith, A., Rakesh, M., FRANCIS, R., Govind, V.
	ICOE2025-BEOE-076	Switching Safely to Low-Carbon Fuels and Technologies in the Maritime Industry Shukla, S.
	ICOE2025-BEOE-021	Performance Study of Bio-inspired Propeller Design for the Efficient and Silent Flight of Swarm Drones P, H., R, S., V T, G., S, M., A, N., J, V.
	ICOE2025-BEOE-300	The Role of Emerging Technologies in Building a Sustainable Blue Economy: A Systematic Review and Bibliometric Analysis Mishra, N., Gupta, V., Dash, Y., Abraham, A.
	ICOE2025-BEOE-190	Hydrodynamic Stability of a Towed Body in terms of Pitch angle at different towing conditions PG, V., Francis, R., A, A.
11:00 -12:30	Paper ID	Session 26 - Hall 2, IC&SR, IIT Madras
	ICOE2025-OS-205	Stability Assessment of Seawater Intake Structures using Rock Anchors in Remote Islands of India: A Case Study Kumar, M., Kuppuswamy, M., B, J., SVS, P.
	ICOE2025-OS-263	Studies for fishing harbor along coast of Tamil Nadu P K Suresh, Nilanjan saha, ,R Sundaravadivelu
	ICOE2025-OS-300	Modeling of Wave Attenuation of Pile Breakwater with Vegetation R, M., K, P.
	ICOE2025-OMOG-265	Synthesis and Evaluation of Biopolymer for Enhanced Oil Recovery Patni, H., Deka, B., Enerson, J., Patel, H., Jeeru, L., Ragunathan, B.
	ICOE2025-OMOG-264	Influence of Silica, Alumina and Carbon Based Nano Particle on Enhanced Oil Recovery Performance: A Comparative Study Parekh, Y., Patni, H., Deka, B., Jeeru, L., Ragunathan, B.
12:30 - 14:00		Lunch Break
		Session 27 - TTJ Auditorium, IC&SR, IIT Madras
14:00 - 14:20	Special Session Talk	IEEE OES: A Platform for Growth, Collaboration, and Innovation. - Ms. Vijaya Lakshmi T, IIT Madras, India
14:20 - 14:50	Invited Talk	State of the Art Facilities @ Discovery Campus - Prof.K. Murali & Prof.V. Sriram, IIT Madras
15:00-16:00		Valedictory Ceremony
16:00 -16:30		High Tea



The 7th International Conference on Ocean Engineering (ICOE 2025)
Theme: Blue Economy and Sustainability
Final Schedule



Thursday, September 18, 2025

9:00 - 12:00		Visit to IITM Discovery Campus, Thaiyur, Chennai
12:00 - 14:00		Lunch, Holiday Inn Chennai OMR
14:00 - 17:30		Industrial Visit to National Institute of Ocean Technology(NIOT), Pallikaranai, Chennai
ICOE 2025 Conference Ends		