

Shedule of Papers, Transtech 2026

March 10-12, 2026, TMI

Day 1, 10th March, Tuesday, SESSION I (03 Papers), 1415-1515 Hrs, Venue: Auditorium

Judges: Mr Anand Thakoor, Mr Anil Bhat, & Capt. Kiran Joshi, Session Chair – Prof. Kailas Mehendale, Session Volunteer: Cdt. Sahil Kumar

Sr No	Title of Paper	Authors	Institute
1	Hard Sail Technology for Fuel Saving and Emission Reduction in Maritime Shipping	Alok Harsh, Vanish Kumar, darje Pushkar	SIMS, LONAVALA
2	Impact of ETS On Indian Shipping	Vikas Phadtare, Umesh Shinde, Tejas Madhudia	Ganpat University
3	Hydro-Assisted Intermodal Green Corridor: Slurry Pipelines, Hybrid PTO/PTI Propulsion & IoT-SCADA Digital Twin for Low-Carbon Iron Ore	Arockia Rijo M, Amit Singh	Anglo-Eastern Maritime Academy

Day 1, 10th March, Tuesday, SESSION II (04 Papers), 1530-1650 Hrs, Venue: Auditorium

Judges: Mr Anand Thakoor, Mr. Anil Bhat & Capt. Kiran Joshi, Session Chair: Dr. Mithul Naidu, Session Volunteer: Cdt. Sarthak Naik

Sr No	Title of Paper	Authors	Institute
4	Carbon Capture on Board: A Pathway Toward Carbon-Negative Shipping	Singh Abhishek Heera, Ankit Kumar Tiwari	IMU Visakhapatnam
5	TRIDENT SYSTEM: Total Robotic Integrated Docking, Energy and Network Transfer System	Aarya Rupesh Shinde, Shashank Patel	Tolani Maritime Institute
6	Predictive Fault Detection for Shipboard Systems Using Machine Learning	Siddharth Krishnakumar Nair, Ramesh Ramani, Ravikumar Kolli	Anglo-Eastern Maritime Academy

7	Dead Ends, Strong Minds -Adapting the Kobayashi Maru Effect for Engine Room Simulators	Atharv Laxmikant Bhagwat, Darin Paniraj Fernando, Aman Singh	SIMS, LONAVALA
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Day 2, 11th March, Wednesday, SESSION III (04 Papers), 0930-1050 Hrs, Venue: ANX-17
Judges: Mr Anand Thakoor, Mr. Anil Bhat & Capt. Kiran Joshi, Session Chair: Prof. Vishwas Mehendale, Session Volunteer: Cdt. Vedit Agrawal

Sr No	Title of Paper	Authors	Institute
8	Reduction of GHG emission from Ships- Focus on economic elements with reference to Industry 4.0	Avirat Dwivedi, Udit Srivastava, Harsh Shandilya	IMU Chennai
9	Chaitanya Varuna: Degree 3 Hybrid Hydrogen-Powered Autonomous Ship	Krish Verma, G Maneesh	IMU NMC
10	A Universal Fail-Safe Modular Framework of Different Offshore Wind Turbine Support Structures Using Sacrificial Components	Dushantpreet Singh	Tolani Maritime Institute
11	Synergistic Effects of Nanomaterials and High-Entropy Alloys in Marine Corrosion and Wear Protection	Saeed Shinde, Avlon Nagorama , Jay Divate	MANET

Day 2, 11th March, Wednesday, SESSION IV (05 Papers), 1110-1250 Hrs, Venue: ANX-17
Judges: Mr Anand Thakoor, Mr. Anil Bhat & Capt. Kiran Joshi, Session Chair: Dr. Ajaj Attar, Session Volunteer: Cdt. Rishabh Singh

Sr No	Title of Paper	Authors	Institute
12	Enzymatic Nanocomposite Anti-Biofouling Paint and Barnacle Valorization	Sreerag M R, Ahamed Afreen A, Divesh Raj	IMU Visakhapatnam
13	Onboard Carbon Capture and its Application in Maritime	Harshit Singh, Ishan Vikrant Sharm, Anshu Gupta	IMU-Navi Mumbai
14	Carbon Negative Shipping – Technologies and Pathways	Sahil Rawat, Raghav Karol, Parvana G Dinesh	Anglo Eastern Maritime Academy

15	Photocatalytic Treatment of Exhaust Gas	Abhinav J, Harrish Simiyon S	Noorul Islam Centre for Higher Education (NICHE)
16	Multiple Injection Strategies for NOx reduction in a low speed two-stroke marine diesel engine	ShreeOshee Kumari, Naina Diwakar	Tolani Maritime Institute
Day 2, 11th March, Wednesday, SESSION V (05 Papers), 1400-1540 Hrs, Venue: ANX-17 Judges: Mr Anand Thakoor, Mr. Anil Bhat & Capt. Kiran Joshi, Session Chair: Prof. Sachin Vyavahare, Session Volunteer: Cdt. Sparsh Sawlani			
Sr No	Title of Paper	Authors	Institute
17	Hydrogen-Powered Ships with Carbon-Negative Fuel Production Pathways	Paras Madhwani, Sk Shahbajuddin, Manusha Bhadu	Ganpat University
18	Integrated Carbon Wallet System for Carbon Negative Shipping Using Real-Time Emission Analytics	Makwana Nisiddh Maheshbhai	IMU, Mumbai Port Campus
19	Real-Time Detection of Catalytic Fines in Marine Fuel Using In-Line NMR Sensor Technology	Benaka Patel SK, Vasu Raturi, Arpita Dugar	Tolani Maritime Institute
20	The Human Element at Sea: A Critical Analysis of Seafarer Welfare	Vibhuthi Duggal	IMU Navi Mumbai
21	An Analysis of the Shadow Fleet's and its Impact on the Circular Economy: A Comparative Study of Fleets Lifecycle Management	Rihan Panigrahy	Tolani Maritime Institute