

TMI organized the 17th edition of the all-India Technical Seminar “Transtech 2024”

The 17th edition of the All-India Technical Seminar “Transtech 2024” was organized by Tolani Maritime Institute (TMI), Pune & Institute of Marine Engineers (India), Student Chapter, TMI, Pune in association with Institute of Marine Engineers (India), Pune Branch & The Institution of Engineers (India), Pune Local Centre from 6th (Wednesday) to 8th (Friday) March 2024, at TMI Campus.

The technical seminar of Tolani Maritime Institute “Transtech 2024” portraying this year's theme, 'Revolutionizing Shipping: Trends, Technologies, and Sustainable Development', began on 6th March 2024 with the arrival of the Chief Guest, Dr. Vibha Dhawan, DG, T.E.R.I., New Delhi, the Guest Speaker, Mr. Rajesh Doshi, Founder Director, and CEO of Dwarka Kutch Ferries & Tourism Pvt Ltd., the President of the Institute of Marine Engineers (IMEI), Mr. Rajeev Nayyar and the Secretary, IEI-Pune, Mr. Uttam Awari, followed by the lamp lighting ceremony and the Vandana of goddess Saraswati.

The TMI Principal, Dr. Sanjeet Kanungo shared his feelings in his welcome address and introduced Transtech 2024 as the official platform for the professionals of tomorrow from Maritime Training Institutes and Engineering Colleges across India to showcase their talent and churn out new ideas for the future of the maritime sector. This was followed by the address of Mr. Rajeev Nayyar, President, Institute of Marine Engineers (I), and Mr. Abhishek Sharma, Faculty in Charge, Institute of Marine Engineers (I), Student Chapter, TMI Pune.



Dr. Dhiren Dave, convenor for Transtech 2024, shed light on the current state of the shipping industry and the various trends and technologies that are shaping its evolution. He highlighted the need to acknowledge the significance of embracing sustainable practices and responsible development within the shipping sector. He emphasized the importance of adopting eco-friendly approaches, safeguarding maritime security, ensuring the well-being of the individuals involved in shipping, and fortifying the resilience of supply chains.

The inaugural function was also graced by the guest speaker; Mr. Rajesh Doshi, who spoke on "Fishing and Salt-Pan Workers."

The Chief Guest Dr. Vibha Dhawan, released 'Transtech-2024 - Book of Proceedings & Tolani Maritime Institute's Journal of





Maritime Fundamentals and Applied Research' followed by her Inaugural speech on "Climate Change: Impacts, Adaptation & Mitigation". The inaugural session was concluded with a vote of thanks by the Vice-Principal, Marine Engineering, Prof. Shailendra Kumar.

The inaugural session was followed by Technical Paper presentations conducted in the presence of the Judges Mr. Anand Thakoor, Mr. Anil Bhat, and Mr. Ajit Shelar along with the session chairs Dr. N.D. Junnarkar and Capt. Arvind Tripathi from TMI, wherein eight papers were presented on various topics by the participants.

Day 2 of Transtech 2024 was equally eventful and energetic. The guest speaker of the day was Mr. Kishore Darda, Vice President, Garware Tech. Fibres Pvt. Ltd. He presented a very informative lecture on "Innovations in Rope Technology to Enhance Crew Safety and Ease of Operations". Following this, Vice Principal, Nautical Studies, Capt. Indranath Banerjee presented a vote of thanks.

The session was followed by Technical Paper presentations chaired by Prof. Sujata Male and Prof. Sankar Subramanian respectively. A total of six papers were presented on various topics by the participants.

The event was followed by the much-awaited Marine Quiz. The quiz was preceded by an elimination round as a total of seven teams participated. In the final four teams, Tolani Maritime Institute, Maharashtra Academy of Naval Education and Training, and Samudra Institute of Maritime Studies competed with each other with their full potential, skill, and knowledge but in the end, the winner of the Marine quiz was declared as Tolani Maritime Institute.

The final day of Transtech 24 was the valedictory function. The event began with a welcoming speech by Dr. Sanjeet Kanungo, Principal, TMI followed by a very informative talk by the Guest speaker Mr. Koustubh Phalnikar, Joint GM, L&T Defence, Powai, and a very inspiring talk by the Chief Guest Mr. Shirish Deshmukh, Director, Padmashree Electronics, Pune. The Guest speaker Mr. Phalnikar, talked on "Indigenous Technologies for the Naval Sector" while the chief guest, Mr. Deshmukh, spoke on topics like missile technology, his work experience with Dr. Abdul Kalam, out-of-the-box thinking, etc.

Finally, the much-awaited Prize Distribution function was held in which all the winners were awarded certificates and Cash Prizes. The Transtech 2024 Theme Poster prize was won by Cdt. Anshul Kushwaha. The wonders of their graphics and photography skills were being aired on all three days as Cdt. Karan Gulati, Cdt. Samarth Jogi and Cdt. Harsh Sharma won the Transtech Video Making Competition. The winners of the very popular Marine Quiz competition were Cdt. Rushil Jain, and Cdt. Anik Raj from Tolani Maritime Institute, followed by Cdt. Samrudh, Cdt. Alampalli Manjunath Sukesh from MANET, Pune, in second place, and Cdt. Dhruv Kumar Mangal and Cdt. Shivam Kumar from the TMI secured the third position.





A total of 24 entries were registered for the Model-Making Competition. The models were judged by Mr. Deepak Saranjame, Mr. Arvind Kumar, and the Technical Superintendent, MOL Group, Mr. Amarbir Singh. The winners of the Model Making Competition were Cdts. Omkar Giri, Prashant Shedage, and Vaibhav Tijare from Angle Eastern Maritime Academy with their model on "Solar powered alternators to reduce GHG emissions." This was followed by models by the other two teams of TMI at second and third positions. Out of the 6 potential entries, the winners of the Poster Making Competition were Cdts. Manav Kengar, Aniket Palave, and Kohinoor Jethani from TMI for their poster on, "Toroidal Propeller: The Future of Propulsion".



Two special prizes for best girl cadet in the paper and model category were sponsored by Mr. Sanjeev Ogale, Former President, Institute of Marine Engineers, Pune. The prize for best paper presenter girl was won by Cdt. Vaibhavi Pare, from T. S. Chanakya. The prize for best model maker girls went to Sharvari Karhe and Ruchita Kagne from PVG College of Engineering, Pune.

The General Manager, Class NK, Mr. Sumithran Sampath, also awarded the cash prizes and certificates, instituted by Class NK for model makers of TMI.



The technical paper presentation, being the highlight of the event, had its top three technical papers in the following order; the third place was secured by Cdts. Manav Gurjar, and Karan Rautela from TMI, for their paper titled, "Renewable Energy-Driven Liquid Nitrogen Generation for High-Pressure Work Extraction in an Open-Loop System". The second place was taken by Cdts. Vatsshree Dwivedi, Jeet Shah, Hardik, and Niharika from TMI, for the paper titled, "Applications of Quantum Sensors in Shipping". The winners of the paper presentation competition were Cdts. Vaibhavi Pare, and Aditya Gaikwad from T. S. Chanakya, for their paper titled, "Green Shipping and Environmental Sustainability - Ammonia Fuel Cells".

The valedictory session was concluded with a vote of thanks by Sr. Vice-Principal, Capt. Manoj Hirkane.

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