

TRANSTECH '25

4 to 6 March, 2025

INTRODUCTION

Transtech presents a common platform for engineering students to present technical papers on varied topics of interest. It encourages the young generation of engineers to delve into numerous activities such as paper presentation and research work, thereby empowering them with a razor-sharp thinking ability.

Earlier, the event has been successfully organized since 2007 with excellent response from many colleges across the country. Apart from Paper Presentations, invited talks by eminent personalities in various sectors are also arranged during the event and a competition of display of models based on any of the sub theme will be held at the venue for which separate prizes will be given. The question answer sessions after the presentations make the event highly interactive and lively. Overall, Transtech is really a professional oriented gathering and a new educational experience.

The theme will enable the engineers of today to acquire the contemporary know-how in this sphere of study, thereby edifying them with regards to different aspects of the subject. This varied range of academic exchanges will benefit not only the participants, but also the to-be mariners in the audience.

Transtech aims at providing an apt forum for such laudable pupils to bring out the best in them, thus leading them towards reaching the top echelons of any industry.

Indubitably, maritime transport affects every human being directly or indirectly. Around the world, technology has transformed almost every industry across all sectors. The maritime transport sector is one of the many areas where 'smart technology' has played a significant role. Sustainability and entrepreneurship are the keys to survival in the present scenario.

The objective of the main theme and subthemes is to explore and advance the integration of cutting-edge technologies and innovative approaches within the maritime sector to promote sustainability and economic growth. Key goals include: Showcasing Innovations, Promoting Sustainability, Facilitating Collaboration, Exploring Economic Opportunities, Addressing Challenges and Policy Development. Overall, the aim is to drive forward the agenda of Blue Economy 4.0 by leveraging innovation to create a more sustainable and prosperous maritime future.

THEMES

Theme: Blue Economy 4.0: Harnessing Innovation for a Sustainable Maritime Future.

Subthemes:

- Human Factors and Skill Development
- Digitalization, IOT and ML
- Ship Design and Naval Architecture
- Innovative Ideas for Environment Protection
- Innovations in Navigational Aids
- Advancements in Logistics
- Entrepreneurship Development in Shipping
- Research and Developments in Renewable Energy

Papers supported with simulations using reputed software tools will be given more weightage for the award of prizes.

REGISTRATION AND ACCOMMODATION

Registration for the conference can be made by sending the details (Name, Institute, contact number, email ID, event selected for, accommodation requirement etc) of the participating students / professionals by email to the Convener of Transtech. The registration fee for conference is as follows, which may be paid upon arrival to TMI, Pune for participation in the event.

Delegate	Residential (per day per person)	Non-residential (per day per person)
Professionals	Rs. 2000/- *	Rs 750/-
Students	Nil	Nil

Residential charges include non-A/C twin sharing accommodation *with breakfast, lunch and dinner.*

*Subject to availability

ADVERTISEMENT/ SPONSORSHIP

A Book of Proceedings will be published containing technical papers, write-ups on models, invited talks etc. for distribution among delegates and dignitaries participating in the event as well as to relevant organizations across the country. The organizing committee will accept advertisements for the same as per the following rates:

Full Front Cover Page + 4 Delegates:	Rs. 30,000/-
Full Back Cover Page + 4 Delegates:	Rs. 25,000/-
Inside Full Back Cover Page + 4 Delegates:	Rs. 10,000/-
Inside Full Front Cover Page + 4 Delegates:	Rs. 10,000/-
Full Color page + 2 Delegates:	Rs. 8,000/-
Half Color page + 1 Delegate:	Rs. 5,000/-

* Plus, taxes as applicable.

Advertisement / sponsorship charges may be paid by DD or Cheque in favor of "Tolani Maritime Institute", payable at Pune.

CALL FOR PAPERS

Technical Papers on the sub themes are invited for presentation in the seminar from **STUDENTS** (in a group of **max. 3**) studying in engineering colleges and maritime training institutes. Full length papers (2500 Words max.) may be sent **preferably by email** to the convener as per the date schedule given below.

Submission of Full-Length Paper: **1 Feb. 2025**
(DO NOT send Abstract only).

Registration: **On or before 4 March 2025**

Kindly refer to the website <https://tmi.tolani.edu/> for guidelines of paper submission. Participants have to give a Presentation (PowerPoint) for 12 minutes followed by 3 minutes Question and Answer Session. A copy of the college identity proof should be submitted along with the final paper.

All events will be judged by eminent personalities of the field and the winners will get prizes and certificates.

Prizes for Technical Papers

- First Prize: Rs. 10,000/-
- Second Prize: Rs. 6,000/-
- Third Prize: Rs. 4,000/-
- 2 Consolation Prizes: Rs. 2,000/- (each)
- Prize for best paper in each category of Sub Theme: Rs. 1,000/-

MODELS

There will be a Models Display Competition also which may be based on any of the sub-themes. Models must be made in the current academic year and certified by your institute. Models will be displayed on all days of the event and at least one student involved in the model making must be present for display of the models at the venue. Students will be required to explain the model and answer the questions asked by the judges. A write-up about the model should be submitted by **1 Feb. 2025**. Write up will be reviewed and a confirmation for representation will be sent by **10 Feb. 2025**. Models should be made by group of **not more than 4 students**.

Prizes for Models

- First Prize: Rs. 6,000/-
- Second Prize: Rs. 4,000/-
- Third Prize: Rs. 2,500/-
- ❖ All selected authors and model makers will be given a certificate of participation.
- ❖ Prize winning papers & models may be published by TMI.

POSTER DISPLAY

The Technical Papers which are not selected for presentation (5 waiting list) may be asked to display the same in the form of a "Poster" of A1 size. The best Poster will be judged based on its content, design, originality etc and given a prize of Rs. 3,000/- and certificate.

MARINE QUIZ

There will be a Marine Quiz Competition, topics of which may be related to marine engineering, nautical science, maritime history, international maritime conventions, maritime industry etc. Each institute may send names of one team only, comprising two cadets; preferably (but not compulsory) one from Marine Engg and other from Nautical Science stream. 1st, 2nd & 3rd winners will be given prizes (Rs. 5000, 3000 & 1500) and certificates.

Note:

- Pay registration/accommodation fees only after acceptance of full-length Technical Paper, Model, Quiz Team or Poster.
- Each winning team must provide the bank account details of its team leader. Prize amount will be transferred online.

WORKSHOPS

There will be short duration (up to 3 hrs) workshops on topics like CFD, Welding Simulator, Blender Software etc for students, faculty & visitors. These will be conducted by in-house experts, free of cost, parallel to other events. Registration for the same can be done at the venue during the event.

ABOUT THE INSTITUTE OF MARINE ENGINEERS (I)

The Institute of Marine Engineers (India), established in 1980 is the professional body of marine engineers in the country. It aims to promote the scientific development of Marine Engineering with exchange of ideas and co-operates with other institutions for the furtherance of education in marine engineering science. Pune Branch is a vibrant center of activities especially in the area of Maritime Education and Training. TMI has a Student Chapter of Institute of Marine Engineers (I) at its campus.

ABOUT THE INSTITUTION OF ENGINEERS (I)

The Institution of Engineers (India), established in the year 1920, stands today as the testimony to the vision of bygone era as the largest body of engineers in India with a membership of more than 4 lakhs. IEI is one of the largest professional associations in the world, obtained the Royal Charter from King George V in 1935 to promote and advance the science, practice and business of engineering in all its branches in India. The Pune Local Centre of IEI is an active and vibrant center in the country with many activities in all disciplines of engineering.

ABOUT TMI, INDURI, PUNE

Tolani Maritime Institute is one of the largest in the country with over 1,500 students enrolled in its campus-based and distance learning programs. The institute has state of the art facilities including full mission ship handling and engine room simulators. The Institute is dedicated to delivering high quality engineering education and training to prepare its students for rewarding careers in the shipping industry. It offers degree programs as well as a variety of short-term courses covering both the engineering and nautical disciplines. TMI is an ISO 9001:2015 certified institute. It has been awarded Grade A1 (outstanding) by DNV in the Comprehensive Inspection Program of DG Shipping. TMI graduates are awarded degrees by the well-established Indian Maritime University, Chennai. Interdisciplinary research, consultancy and continuing education programs are important components of academics at TMI.

HOW TO REACH TMI, INDURI, PUNE

The institute campus is just beyond Induri village near Talegaon-Dabhade, which is approximately halfway between Lonavla and Pune. Talegaon-Dabhade is well connected by rail and bus to Pune and Mumbai. All the local trains between Pune and Lonavla stop at Talegaon. You can reach Talegaon by taking either National Highway No. 4 or the new Mumbai - Pune Expressway. The Institute campus is located on Talegaon-Chakan road. Pick up from Talegaon railway station can be arranged.

PATRON

Dr. Mrs. Sujata Naik, Chairperson, Tolani Maritime Institute, Induri, Pune

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Cdt. Manav Gurjar, Secretary, (IV ME)
Cdt. Rushil Jain, Treasurer, (IV ME)

First Announcement and Call for Papers for All India Seminar for Students on

Blue Economy 4.0: Harnessing Innovation for a Sustainable Maritime Future

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4 to 6 March, 2025



Organized by

Tolani Maritime Institute, 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**

CONTACT DETAILS:

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