

## PAPER SUBMISSION AND PUBLICATION

Submissions must be original and should not have been presented or published anywhere. Authors of accepted papers must assure that at least one of the authors will attend the conference and present the paper. All submitted research papers in NCESS 2020 will go through a review process by experts. Authors should follow IEEE format and the maximum length of the paper should not 3500 - 4000 words. The original and quality research papers will be accepted for presentation after reviewing and will be published in conference proceedings after registration. Selected papers will be considered for publication in Marine Engineering Review journal.

Please mail your papers as per the format to [ncess20@gmail.com](mailto:ncess20@gmail.com).

## IMPORTANT DATES

Submission of Papers : **18 March 2020**  
Notification of Acceptance : **09 April 2020**  
Submission with Revision : **14 April 2020**  
Last Date of Registration : **16 April 2020**  
Date of e-Conference : **21 & 22 Dec 2020**

### Chief Patron:

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# National Level e-Conference on Energy, Environment and Sustainable Shipping (NCESS 2020)



**21 & 22 December 2020**

Organized by

**School of Marine  
Engineering and Technology**



**INDIAN MARITIME UNIVERSITY**  
(A Central University, Government of India)

In Association with



**Institute of Marine Engineers  
(India)**



## ABOUT THE UNIVERSITY

India has had a long maritime tradition and is the 20th largest maritime country in the world. The single largest contributing factor to this glorious tradition is the presence of a strong, dedicated, efficient and reliable reservoir of officers and ratings of the Merchant Navy. The ever-increasing demand of Indian seafarers worldwide is a testament to the quality of education and training disseminated in India. In order to encourage private sector participation in maritime training, the Government of India had announced liberalized guidelines in 1997 and as a result, around 125 Maritime Training Institutes (MTIs) came up in the government and private sector, which impart both Pre Sea and Post Sea training.

The Indian Maritime University (IMU), established through an Act of Parliament (Act 22) in November 2008 as a Central University, is poised to play a key role in the development of human resources for the maritime sector. The impact of technological developments is very much visible in the maritime industry in the recent years. The shipping industry is effectively the facilitator for the global economy and shipping will continue to have an impact on the lives of more and more people. Hence, the vision of the IMU is, to provide quality education and training, to undertake research of international standards, to become an institution of excellence, providing advice, extending

support to the Government and to provide guidance, support and supervision to the various training institutions and to act as an umbrella to all maritime institutions in the country. The programmes offered will groom the youngsters as well as the practicing maritime personnel to excel in their area of duties in all disciplines of maritime sector viz. navigational, marine engineering, port management, maritime commerce, maritime law, marine science, ship handling, inland water transportation etc. Globalization of education and the international nature of the maritime industry will drive the University to address the issue of effective quality assurance beyond complying with the needs of the industry, stakeholders and the requirements of the nation.

## SCHOOL OF MARINE ENGINEERING & TECHNOLOGY (SMET)

The role of a Marine Engineer is constantly changing with new challenges being regularly thrown up from steam to diesel engines and computer controlled machineries. School of Marine Engineering and Technology is committed to provide systematic and contemporary training in the field of Marine Engineering. In Chennai Campus, B. Tech in Marine engineering is offered, which is a 4 years course. Further, Scholars are also engaged in research under the Ph.D programme offered by the school.

## SCOPE OF THE CONFERENCE

The objective of this Conference is to gather the scholars to present the current developments/ innovations in the domain of Energy, Environment and Sustainable Shipping by exchanging new and valuable information and innovative ideas. This conference includes invited keynote lectures by industrial and academic experts. This would help as a platform for sharing quality research in the domain and knowledge dissemination.

## CONFERENCE THEME

The conference includes the following topics but not limited to:

- Clean and Green Energy
- Zero Emission vehicles
- Artificial Intelligence and Robotics
- Novel Materials for Energy Conservation and Environmental Protection
- Port Security Management
- Remote Crewing
- Ship Cybersecurity
- Occupational Health Hazards
- Ship Recycling
- Alternate Fuels
- Power Electronic Converters for Ship Propulsion
- Energy Demands, Future Developments and its Environmental Impacts

