



AMET

ACADEMY OF MARITIME EDUCATION AND TRAINING
(Deemed to be University Under Section 3 of UGC Act 1956)

International Virtual Conference on **INNOVATIONS AND RESEARCH IN MARINE ELECTRICAL AND ELECTRONICS ENGINEERING ICIRMEEE 2021**

17 - 18 June 2021

organized by

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
AMET Deemed to be University
135, East Coast Road, Kanathur, Chennai-603112, Tamil Nadu, India
www.ametuniv.ac.in

In Collaboration with



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In Association with
Institution of Engineers (India) Student's Chapter
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ABOUT THE UNIVERSITY:

AMET is India's first Deemed to be University in Maritime Education which is ranked as 3rd among Maritime Universities of the World in the PIMET (Performance Indicators in Maritime Education and Training) Ranking of International Association of Maritime Universities (IAMU). Established during 1993, AMET's uncompromising strides of excellence in the field of maritime education and training laced with its capacity to feed the global shipping industry with an unrivalled maritime human resource secured it to have many national and international recognitions, accreditations and rankings such as NAAC, NIRF, ARIIA, DGS-CIP, PIMET etc.

Vision

To sustain identity as a World Class Leader in Maritime Education and empower learners with wholesome knowledge through progressive innovation in training, research and development which will render students a unique learning experience and a transformation impact on the Global Society.

Mission

AMET will strive continuously to

- ⦿ Impart value-based higher education and technical knowledge with uncompromising strides of an outstanding quality.
- ⦿ Emerge as a Centre of Excellence inculcating skill development in recent technologies in accordance with industrial trends.
- ⦿ Create World class research capabilities on par with the finest in the world and broaden student's horizons beyond classroom education.
- ⦿ Nurture talent and entrepreneurship to enable all round personality development among students.
- ⦿ Empower students across socio economic strata
- ⦿ Make a positive difference to society through technical education.

HIGHLIGHTS OF DEPARTMENT:

Department of Electrical and Electronics Engineering is established in the year 2008 with the objective of imparting quality education of international standards and to produce highly innovative Marine Electrical and Electronics Engineers capable of solving global maritime challenges. The Department offers 4 years Under Graduate Program in Electrical and Electronics Engineering - Marine and 2 years Post Graduate Program in Power Systems and Doctoral programs in core areas as well as interdisciplinary domains. The Department houses state-of-the-art laboratories, smart class rooms and well stacked library to impart teaching, learning and research. The Department is committed to community development and conducts regular extension activities to benefit the local and needy villagers around the university. The Department is proud of its legacy of Alumni who occupies key positions in world class Maritime/Non-Maritime sectors.

Vision

To emerge as a Centre for higher learning and research through development of highly competent, innovative and world class Marine Electrical and Electronics Engineers while remaining sensitive to ethical, societal and environmental issues.

Mission

- ⦿ To impart quality education in order to produce highly innovative, socio-economically conscious Marine Electrical and Electronics Engineers.

- ⊙ To provide knowledge and skills, that is essential to meet the local and global demands in Marine Electrical and Electronics Engineering.
- ⊙ To upgrade student's technical knowledge through industry interaction activities.
- ⊙ To foster strong ethics, positive attitude and transform the Department into Centre of Excellence by promoting world class research and development to meet the challenging needs of society.
- ⊙ To motivate and guide students for developing entrepreneurship or pursue higher education and train them for overall personality development.

ABOUT THE CONFERENCE :

The conference ICIRMEEE 2021 provides a forum for practicing professional, academicians, researchers to exchange the latest innovations and research advancements in the areas of next generation automated ships, Marine Electrical and Control systems, Marine Electronics and Navigation Systems and other applications to maritime industry. The conference will include plenary sessions and invited talks from eminent researchers on the state of the art in related areas. This makes an interaction among researchers, manufacturers, scientists and new entrepreneurs around the world.

Topics of Interest include, but are not limited to the following

TRACK 1: Robotics and Marine Automation

Robotics and Artificial Intelligence, Process Control and Industrial Automation, Marine Control and Automation, Next Generation Automated Ships, Fuzzy systems for robotics

TRACK 2: Artificial Intelligence and Soft Computing

Learning and Adaptive systems, Optimization Techniques, Smart metering systems, Mathematical modeling and Computing, Artificial Neural Networks and Fuzzy Logic, Fuzzy Control and intelligent systems

TRACK 3: ICT technologies for Renewable energy

Learning and Adaptive systems, Web intelligence and interaction, Network security, Hardware for wireless security, Mobile access control algorithms, Cloud analytics for Internet of Things (IoT) , Smart Grid

TRACK 4: Sustainable Energy Technologies

Energy Harvesting, Solar, Wind, Ocean, Tidal and Geothermal Energy, Biomass and Biofuel, Energy resources for portable electronics, Grid and Off-grid energy systems, Smart/Intelligent Energy System

TRACK 5: Marine and Off-Shore Engineering

Marine Electrical and Control Systems, Marine Electronic Navigation Systems, Offshore Renewable Energy Engineering, Power Electronics applications in Modern Ship, Ship Power Management Systems, Titanic Corrosion

TRACK 6: Power Electronics and Drives

Power Electronics in Power System, Power Converters For Renewable Energy System, Hybrid Electric Vehicles, High Voltage Direct Current

TRACK 7: Advances in Electronics Design

VLSI Design and Testing, Embedded System Design, Nano technology, Medical Electronics, Marine Electronics

TRACK 8: Communication and computing

Digital Image Processing , Advanced Networking and Applications, Information Security & Information Retrieval, Satellite Communication, Wireless communication.

IMPORTANT DATES:

Last date for Submission of Abstract	-	May 25 th 2021
Notification of Acceptance	-	May 27 th 2021
Submission of Camera ready paper	-	June 7 th 2021
Date of Conference	-	17 th & 18 th June 2021

CALL FOR PAPERS:

The authors are requested to submit their full length paper of their original work in IEEE Proceedings format with author details, as MS-word by Easy Chair and E-mail.

- All accepted papers will be published in the proceedings of the conference with ISBN.
- As per author interest, selected papers will be published in AIP Conference Proceedings (SCOPUS Indexed).

REGISTRATION:

Registration Categories	Indian Author INR	Foreign Author US\$
Registration Charge: UG/PG/ Research Scholar/ Academician (Conference Proceedings with ISBN)	₹ 500	\$ 25
Industrialist	₹ 1000	
Co-Author Fees (Certificate Needed)	₹ 500	
Publication Charge after acceptance of Paper: AIP Conference Proceedings (SCOPUS INDEXED)	₹ 7000	\$ 100

PAYMENT DETAILS:

All the authors of accepted papers will be informed about the payment mode details along with acceptance through E-mail.

REGISTRATION STEPS:

- Uploading of research paper will be done through “Easy Chair”, submission link is provided below:
https://easychair.org/cfp/ICIRMEEE_2021
- Authors shall also submit the paper on icirmeee2k21@ametuniv.ac.in
- Authors can download “paper template” and “copyright form” from conference website

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Contact Us at:

Dr. D. Lakshmi (9444105767) & Mrs. G. Jegadeeswari (8870283439)

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