



सत्यमेव जयते  
Ministry of  
Earth Sciences



# *National Institute of Ocean Technology*

*(under the Ministry of Earth Sciences, Govt. of India)*

*is pleased to invite you to attend the inaugural function of*

## *International Symposium*

*on*

## *Advancements in Marine Renewable Energy*

*(ISAMRE 2025)*

*On*

*Monday, 17<sup>th</sup> March 2025*

*(09.30 am – 10.45 am)*

*at*

*Panikkar Hall, NIOT, Chennai*

*Programme Overleaf*

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*National Institute of Ocean Technology  
Velachery-Tambaram Main Road, Narayanapuram,  
Pallikaranai, Chennai-600100.*

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<i>Time</i>	<i>Event</i>
9:30 AM	<i>Calling dignitaries on stage and presenting bouquets and Introduction</i>
9:35 AM	<i>Invocation</i>
9:40 AM	<i>Lighting of the lamp</i>
9:45 AM	<i>Welcome address by Prof. R. Balaji, Director, NIOT</i>
9:50 AM	<i>Introduction to the symposium by Dr. Purnima Jalihal, Scientist-G and Head – Energy and Fresh Water, NIOT</i>
9:55 AM	<i>Presentation of the wave powered buoy model to Kamarajar Port</i>
10:00 AM	<i>Release of symposium souvenir</i>
10:05 AM	<i>Presenting ROSHNI-Sea water lantern to A&amp;N and Lakshadweep Authorities by Chief Guest</i>
10:15 AM	<i>Address by Chief Guest, Dr. V K. Saraswat, Member- NITI Aayog</i>
10:30 AM	<i>Presentation of mementos to Chief Guest</i>
10:35 AM	<i>Felicitation of Dr. Purnima Jalihal for contributions in marine energy</i>
10:40 AM	<i>Vote of thanks</i>
10:43 AM	<i>National anthem</i>
10:45 AM	<i>Group Photo and High Tea</i>

## Program Schedule

DATE: 17 March 2025	
09:00 A.M. – 09:30 A.M.	Registration
09:30 A.M. – 10:45 A.M.	Inaugural Function
10:45 A.M. – 11:15 A.M.	High Tea
<b>Session 1: Vision on Marine energy</b>	
11:15 A.M. – 11:45 A.M.	Role of NIOT in Deep Ocean Mission and Blue Economy – Director, NIOT
11:45 A.M. – 12:15 P.M.	Significance of Marine Energy in India and at Global arena – Dr. Purnima Jalihal, NIOT
12:15 P.M. – 12:45 P.M.	Renewable Energy landscape in country covering policies, programme, achievements and issues– Mr. J K Jethani, Ministry of New and Renewable Energy
12:45 P.M. – 01:15 P.M.	Ocean Energy Systems in a Global Context – Dr. Matthijs Soede, IEA-OES Chairperson
01:15 P.M. – 02:10 P.M.	Lunch
<b>Session 2: Wave, Wind and Current energy</b>	
02:10 P.M. – 02:40 P.M.	Wave energy assessment, challenges and options in India – Prof. Sannasiraj, IIT Madras
02:40 P.M. – 03:10 P.M.	Marine Energy Prospects from the Indian EEZ - Dr. Sudheer Joseph, INCOIS
03:10 P.M. – 03:30 P.M.	Offshore Wind Energy in India: MoES-NIOT Perspectives– Dr. S.V.S. Phani Kumar, NIOT
03:30 P.M. – 04:00 P.M.	Tea Break
04:00 P.M. – 04:30 P.M.	Marine Renewables towards Coastal Region’s Sustainability & Blue Economic Growth– Dr. Narasimalu Srikanth, NTU Singapore
04:30 P.M. – 05:00 P.M.	Offshore wind energy resource assessment to support the energy needs of installations along west coast of India– Prof. Manasa Behera, IIT Bombay
05:00 P.M. – 05:30 P.M.	Wave energy: Aspects of wave variability and nearshore dynamics – Dr. Jayakumar Seelam, National Institute of Oceanography Goa
07:00 P.M.	Dinner

**DATE : 18 March 2025**

**Session 3: Ocean Thermal Gradient**

<b>09:30 A.M. – 10:00 A.M.</b>	<b>Significance of Ocean Thermal Energy: A Baseload Renewable Power- Patrick Grandelli, PCCI Inc, USA</b>
<b>10:00 A.M. – 10:30 A.M.</b>	<b>Efforts on OTEC based Desalination at NIOT– Dr. G Venkatesan, Scientist-G, NIOT</b>
<b>10:30 A.M. – 11:00 A.M.</b>	<b>Recent OTEC Developments in Japan – Dr. Yasuyuki Ikegami, Director IOES, Saga University, Japan</b>
<b>11:00 A.M. – 11:30 A.M.</b>	<b>High Tea</b>

**Session 4: Standardization and Commercialization**

<b>11:30 P.M. – 12:00 P.M.</b>	<b>Standardisation : The essence of civilization and role of Bureau of Indian standards – Shri Rajeev Sharma, Deputy Director General (Standards), Bureau of Indian Standards</b>
<b>12:00 P.M. – 12:30 P.M.</b>	<b>Lab to Market: Leveraging Technology Transfer and Commercialization Strategies: Role of NRDC - Dr. B K Sahu, National Research Development Corporation(NRDC)</b>
<b>12:30 P.M. – 01:00 P.M.</b>	<b>International Standards (IEC TC 114) &amp; Certification (IECRE) for the Marine Energy Industry– Jonathan Colby, Chairperson TC 114</b>
<b>01:00 P.M. – 02:00 P.M.</b>	<b>Lunch</b>

**Session 5: Recent Developments**

<b>02:00 P.M. – 02:25 P.M.</b>	<b>Engineering of Floating Offshore Renewable Energy Structures – Dr. Mohit Verma, CSIR-SERC</b>
<b>02:25 P.M. – 02:40 P.M.</b>	<b>Flexible responsive systems in wave energy: An alternative to conventional WEC design- Dr. Krishnendu, University of Plymouth</b>
<b>02:40 P.M. – 03:30 P.M.</b>	<b>Panel Discussion (Reputed participants from MoES, Academia, Industry)</b>
<b>03:30 P.M. – 04:00 P.M.</b>	<b>Valedictory Function</b>
<b>04:00 P.M. – 04:30 P.M.</b>	<b>High Tea</b>
<b>4:30 P.M. – 05:30 P.M.</b>	<b>Lab Visit</b>