



International Conference on Engineering Challenges in Global Sustainable Development  
 January 30 & 31, 2025  
 Organized by the Department of Mechanical Engineering  
 PSN College of Engineering and Technology  
 Melathediyoor– 627 152, Tirunelveli District, Tamil Nadu



<b>Conference Schedule</b>			
<b>TIME (IST)</b>		<b>JANUARY 30, 2025 Thursday</b>	<b>JANUARY 31, 2025 Friday</b>
<b>FROM (Hrs.)</b>	<b>TO (Hrs.)</b>		
<b>9:00</b>	<b>9:30</b>	<b>Conference Inauguration</b>	
<b>9:30</b>	<b>10:15</b>	<b>Keynote Address 1</b>  <b>Dr. K. Srinivas Reddy</b> <b>Professor</b> <b>Department of Mechanical Engineering</b> <b>Indian Institute of Technology Madras</b> <b>Chennai, Tamil Nadu, India</b>  <b>Honorary Professor</b> <b>Clean Technologies</b> <b>University of Exeter – Penryn Campus</b> <b>Cornwall, United Kingdom</b>  <b>Topic: Solar Energy Technologies for Sustainable Development</b>	<b>Keynote Address 5</b>  <b>Mrs. Latha Chembrakalam</b> <b>Vice President &amp; Head - Technical Center India</b> <b>Continental Automotive Components (India) Pvt. Ltd. – Technical Center India</b> <b>Bangalore, Karnataka, India</b>  <b>Topic: Sustainable Development in Mobility</b>
<b>10:20</b>	<b>11:05</b>	<b>Keynote Address 2</b>  <b>Mr. Irshadullah Asim Mohammed</b> <b>Project Manager – Supply Chain</b> <b>FuelCell Energy Inc.</b> <b>Connecticut, United States of America</b>  <b>Topic: Strategies for Transition to Clean Energy Supply Chains</b>	<b>Keynote Address 6</b>  <b>Dr. Ashok Matani</b> <b>Professor (Retired)</b> <b>Department Mechanical Engineering</b> <b>Government College of Engineering</b> <b>Jalgaon, Maharashtra, India</b>  <b>Topic: AI Integrated Next Generation Semiconductor Devices</b>



<p>11:10</p>	<p>12:06</p>	<p style="text-align: center;"><b>Oral Session 1</b></p> <p style="text-align: center;"><b>Theme: Electrified Transportation Engineering (ETE)</b></p> <p style="text-align: center;"><b>Chair</b></p> <p style="text-align: center;"><b>Ms. Nuzhat Noor Islam Prova</b> Sr. Data Scientist &amp; Ph.D. Student Pace University Queens, New York, United States of America</p>	<p style="text-align: center;"><b>Oral Session 5</b></p> <p style="text-align: center;"><b>Theme: Thermal Sciences and Energy Engineering (TSEE), Electricity Generation Engineering (EGE)</b></p> <p style="text-align: center;"><b>Chair</b></p> <p style="text-align: center;"><b>Dr. Ashok Matani</b> Professor (Retired) Department Mechanical Engineering Government College of Engineering Jalgaon, Maharashtra, India</p>
<p>12:06</p>	<p>13:00</p>	<p style="text-align: center;"><b>Oral Session 2</b></p> <p style="text-align: center;"><b>Theme: Structural Engineering and Environmental Engineering (SEEE)</b></p> <p style="text-align: center;"><b>Chair</b></p> <p style="text-align: center;"><b>Mr. N. Vivekanandan</b> Scientist Central Water and Power Research Station (Under the Government of India Ministry of Jal Shakti) Pune, Maharashtra, India</p>	<p style="text-align: center;"><b>Oral Session 6</b></p> <p style="text-align: center;"><b>Themes: Design Engineering (DE), Electrified Transportation Engineering (ETE)</b></p> <p style="text-align: center;"><b>Chair</b></p> <p style="text-align: center;"><b>Dr. K. Srinivas Reddy</b> Professor Department of Mechanical Engineering Indian Institute of Technology Madras Chennai, Tamil Nadu, India</p> <p style="text-align: center;"><b>Honorary Professor</b> Clean Technologies University of Exeter – Penryn Campus Cornwall, United Kingdom</p>
<p>13:00</p>	<p>14:00</p>	<p style="text-align: center;"><b>Lunch</b></p>	<p style="text-align: center;"><b>Lunch</b></p>



<p>14:00</p> <p>14:45</p>		<p><b>Keynote Address 3</b></p> <p><b>Mr. N. Vivekanandan</b> Scientist <b>Central Water and Power Research Station</b> <b>(Under the Government of India Ministry of Jal Shakti)</b> <b>Pune, Maharashtra, India</b></p> <p><b>Topic: Water Resources Management and Greening Rural Development in India</b></p>	<p><b>Oral Session 7</b></p> <p><b>Theme: Structural Engineering and Environmental Engineering (SEEE)</b></p> <p><b>Chair</b></p> <p><b>Mr. N. Vivekanandan</b> Scientist <b>Central Water and Power Research Station</b> <b>(Under the Government of India Ministry of Jal Shakti)</b> <b>Pune, Maharashtra, India</b></p>
<p>14:50</p> <p>15:35</p>		<p><b>Keynote Address 4</b></p> <p><b>Dr. S. A. Sannasiraj</b> Professor <b>Department of Ocean Engineering</b> <b>Indian Institute of Technology Madras</b> <b>Chennai, Tamil Nadu, India</b></p> <p><b>Topic: Coastal Protection for Sustainable Development</b></p>	<p><b>Keynote Address 7</b></p> <p><b>Dr. Farrukh Khalid</b> Assistant Professor <b>School of Energy Science and Engineering</b> <b>Indian Institute of Technology Guwahati</b> <b>Guwahati, Assam, India</b></p> <p><b>Topic: Hydrogen Production from Nuclear and Renewable Sources</b></p>
<p>15:40</p> <p>16:36</p>		<p><b>Oral Session 3</b></p> <p><b>Theme: Electrified Transportation Engineering (ETE)</b></p> <p><b>Chair</b></p> <p><b>Dr. S. Sankaralingam</b> Professor <b>Department of Electronics and Communications Engineering</b> <b>PSN College of Engineering and Technology</b> <b>Tirunelveli, Tamil Nadu, India</b></p>	<p><b>Oral Session 8</b></p> <p><b>Theme: Electrified Transportation Engineering (ETE)</b></p> <p><b>Chair</b></p> <p><b>Dr. Farrukh Khalid</b> Assistant Professor <b>School of Energy Science and Engineering</b> <b>Indian Institute of Technology Guwahati</b> <b>Guwahati, Assam, India</b></p>



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16:36	17:16	<p style="text-align: center;"><b>Oral Session 4</b></p> <p style="text-align: center;"><b>Theme: Materials Science and Manufacturing Engineering (MSME)</b></p> <p style="text-align: center;"><b>Chair</b></p> <p style="text-align: center;"><b>Dr. V. Madhusudanan Pillai</b> Professor Department of Mechanical Engineering National Institute of Technology Calicut Kozhikode, India</p> <p style="text-align: center;"><b>Mr. Irshadullah Asim Mohammed</b> Project Manager – Supply Chain FuelCell Energy Inc. Connecticut, United States of America</p>	<p style="text-align: center;"><b>Oral Session 9</b></p> <p style="text-align: center;"><b>Theme: Structural Engineering and Environmental Engineering (SEEE)</b></p> <p style="text-align: center;"><b>Chair</b></p> <p style="text-align: center;"><b>Mr. N. Vivekanandan</b> Scientist Central Water and Power Research Station (Under the Government of India Ministry of Jal Shakti) Pune, Maharashtra, India</p>
17:16	17:30		<b>Conference Valedictory</b>