

**INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN ENGINEERING, SCIENCE & TECHNOLOGY (ICETEST 2018)**

**SCHEDULE – PLENARY & KEYNOTES**

**Day 1: 18.01.2018**

**PLENARY SESSION-I**

| Venue                 | Time              | Topic  | Speaker   |
|-----------------------|-------------------|--|---|
| Millennium Auditorium | 11.45am -12.45 pm | Power Electronics for Renewable Energy and Power Systems: Opportunities and Challenges | <b>Dr. Jian Sun</b> ,<br>Professor, Department of Electrical, Computer, and Systems Engineering (ECSE), Rensselaer Polytechnic Institute, USA |

**KEYNOTE SPEECHES**

| Track   | Venue   | Time          | Topic  | Speaker  |
|---------|---|---------------|--|--|
| CEASIDE | Seminar Hall, Civil Engg Department                   | 1.30 -2.30 pm | Environmental Impact Assessment and Clearance Procedure in India”                  | <b>Prof. Umesh C Chaube</b><br>Ex Head and Emeritus Fellow, Dept of Water Res Dev & Management, IIT Roorkee                                      |
| PDME    | Mech. Engg. Seminar Hall                              | 1.30 -2.30 pm | Engineering the Sport: A “Mechanical” Perspective                                  | <b>Dr. Ganesh Natarajan</b> ,<br>Associate professor, IIT Guwahati   |
| PICC    | Eastern Amphi   | 1.30 -2.30 pm | Recent Progress in Current-fed Power Converters for High Voltage Gain Applications | <b>Dr. Akshay K. Rathore</b><br>Associate Professor at Department of Electrical and Computer Engineering, Concordia University, Montreal, Canada |
| ICACHE  | <b>Seminar Hall , Chemical Engineering Department</b> | 1.30 -2.15 pm | Odor Control: Perspectives, guidelines and practices                               | <b>Dr. Radhakrishnan</b> ,<br>Professor, Department of Chemical Engineering, TKM College of Engineering, Kollam, Kerala                          |
| E-SPACE | Seminar Hall, ECE                                     | 1.30 -2.30 pm | Plasmonics   | <b>Dr. S N Potty</b> , Scientist, CMET, Thrissur   |
| ICETICS | CSE Seminar Hall                                      | 1.30 -2.30 pm | Research Directions in Big Data and IoT  | <b>Prof. (Dr.) Madhukumar</b> ,<br>Professor, Department of Computer Science and Engineering, NIT, Calicut                                       |
| ICCC    | Seminar Hall, School of Architecture                  | 1.30 -2.30 pm | Priorities in Green Design   | <b>Ar. Deependra Prashad</b> ,<br>Principal Architect, DPAP, Coordinator(INTBAU India), New Delhi  |

## PLENARY SESSION-II

| Venue         | Time              | Topic  | Speaker   |
|---------------|-------------------|--|---|
| Eastern Amphi | 9.00 am -10.00 am | Biomass for Fuels and Chemicals – Challenges and Opportunities | <b>Dr. Suchithra T G</b><br>Assistant Professor<br>Department of Chemical and Environmental Engg.,<br>University of Nottingham,<br>Malaysia |

## WORKSHOP

|               |                   |   |  |
|---------------|-------------------|---|--|
| Eastern Amphi | 2.45 pm - 3.45 pm | Editorial Workshop<br>by CRC Press, Taylor & Francis<br>Group | <b>Dr. Gagandeep Singh</b><br>Editorial Manager for the CRC<br>press [India & Australia] |
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## KEYNOTE SPEECHES

| Track   | Venue  | Time               | Topic  | Speaker  |
|---------|--|--------------------|--|--|
| CEASIDE | Seminar Hall,<br>Civil Engg Department           | 11.45 am -12.45 pm | Issues and Challenges in Soil Investigation  | <b>Dr Anil Joseph</b><br>Managing Director,<br>Geostructurals, Chennai   |
| PDME    | Mech. Engg. Seminar Hall                         | 1.30 – 2.30 pm     | Challenges and Opportunities of Mechanical Engineering   | <b>Dr. Ajit Prabhu V</b><br>Chief Scientist, KSCSTE  |
| PICC    | Eastern Amphi                                    | 10.15 - 11.15 am   | Autonomous Microgrids: Operation, Control and Challenges   | <b>Dr. Vinod Khadkikar</b><br>Associate Professor,<br>Electrical Power Engineering,<br>Masdar Institute of Technology,<br>Abu-Dhabi, UAE   |
|         |  | 1.30 – 2.30 pm     | Low order harmonic suppression in induction motor drives with dodecagonal and octadecagonal voltage space vectors for drives | <b>Prof. K Gopakumar</b><br>Department of Electronics System Design<br>Indian Institute of Science Bangalore   |
| ICACHE  | Seminar Hall,<br>Chemical Engineering Department | 10.15 – 11.00 am   | Novel Method for Manufacturing of PF Resole Through a Continuous Process   | <b>Er. Abdul Habid Pullichola</b> , Manager, Process and Quality Non woven abrasive, Bangalore   |
|         |  | 1.30 – 2.15 pm     | Biofabrication Technology And Tissue Engineering   | <b>Dr. Lynda Thomas</b> ,<br>Scientist 'D', Division of Tissue Engg. & Regenerative Tech., Sree ChitraTirunal Institute for Medical Sciences and Technology,<br>Thiruvananthapuram |

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|---------|--------------------------------------|------------------|---|--|
| E-SPACE | Seminar Hall, ECE                    | 10.00 – 11.15 am | Sonar Signal Processing                         | <b>Mrs. Pradeepa R,</b><br>Senior Scientist, NPOL,<br>Kochi.   |
| ICETICS | CSE Seminar Hall                     | 1.30 – 2.30 pm   | Latest Research Trends in Biometrics            | <b>Prof. (Dr.) Chandran Saravanan,</b><br>Associate Professor,<br>Department of Computer Science and Engineering,<br>NIT, Durgapur |
| ICCC    | Seminar Hall, School of Architecture | 1.30 – 2.30 pm   | Building Energy Simulation: The Emerging Trends | <b>Dr. Vishal Garg,</b><br>Associate Professor & Head,<br>Centre for IT in Building Science,<br>IIIT, Hyderabad                    |

**Day 3: 20.01.2018**

**PLENARY SESSION-III**

| Venue         | Time              | Topic  | Speaker  |
|---------------|-------------------|--|--|
| Eastern Amphi | 9.00 am -10.00 am | Power electronics applications in alternate energy systems | <b>Prof. Ashoka K. S. Bhat,</b><br>Professor, Department of Electrical Engineering,<br>University of Victoria, B.C.,<br>Canada |

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| Track   | Venue  | Time                | Topic   | Speaker  |
|---------|--|---------------------|---|--|
| CEASIDE | Seminar Hall,<br>Civil Engg Department           | 10.00 – 11.15 am    | Solid Waste Management  | <b>Dr. Babu J Alappat,</b><br>Professor, IIT Delhi   |
| PDME    | Mech. Engg. Seminar Hall                         | 10.00 – 11.00 am    | Supply chain management- An overview  | <b>Prof. C Rajendran,</b><br>Professor, DoMS,<br>IIT Madras  |
| ICACHe  | Seminar Hall,<br>Chemical Engineering Department | 10.30 – 12.00 pm    | Third paradigm of chemical engineering  | <b>Prof. Krishnaiah K,</b><br>Professor, Department of Mechanical Engg, IIT Tirupati, & Former Professor, IIT Madras |
| E-SPACE | Seminar Hall, ECE                                | 11.30 am – 12.45 pm | Recent trends in sensor technology: Our developmental activity on NEMS/MEMS and nano-structured materials based sensors | <b>Prof. K Rajanna,</b><br>Department of Instrumentation and applied physics,<br>IISc, Bangalore                     |
| ICETICS | CSE Seminar Hall                                 | 10.00 – 11.00 am    | Security through Obscurity on Android   | <b>Prof. (Dr.) Vivek Balachandran,</b><br>Professor,<br>Singapore Institute of Technology                            |