National Conference On Energy Sustainability and Society

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Venue: NIST Institute of Science and Technology Autonomous, Berhampur
Date: 10.12.2022
Time: 10.00 AM – 5.00 PM

Conference Patrons/ Honorary Chairs

Dr. Sukant K Mohapatra, Chairman,NIST

Dr.Pravakar Swain, President, IEC

Convener

Dr. Sachidananda Prasad, Associate Professor, NIST Autonomous

Co-Convener

Dr. Sandipan Malik, Associate Professor, NIST Autonomous

Organized by

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Association with
Indian Energy Congress

Introduction: The Energy Sustainability Conference is focused on identifying innovative technologies, research and design advances, and solutions toward a path of renewable and sustainable energy, including utility-level systems integration. The economic, social and cultural development of human society is highly dependent upon a consistent supply of energy. Sustainable development is therefore only possible, if our society attempts to find and implement environmentally compatible, socially acceptable and economically viable means to acquire its energy services. This challenge requires systemic and holistic innovations that include a sustainable supply of resources, the development of highly efficient technical solutions and the adaptation of energy systems to the environmental, economic and cultural context as well as the social and political framework to enable sustainable energy systems to be implemented for the welfare of mankind.

Objective of the National Conference: The objective of this conference is to provide national and interdisciplinary forum for the discourse between researchers, engineers, social & political scientists as well as experts from industry who drive the innovation of sustainable energy systems. It is the particular aim of this conference to publish papers extending across different disciplines and providing a substantial contribution to the holistic innovation of these energy systems.

Contents of the Conference: Topics covering industrial issues / applications and academic research include, but are not limited to:
1: Nexus: Energy, Water and Climate
2: Sustainable Buildings and Cities
3: Energy Storage
4: Grid-interactive Efficient Buildings
5: Concentrating Solar Power
6: Solar Chemistry
7: Photovoltaics
8: Wind Energy
9: Solar Desalination and Industrial Process Heat
10: Electrochemical Energy Conversion Systems
11: Biofuel and Alternative Fuel
12: Distributed Energy Systems
13: Sustainability, Society, and Education
14: Ocean and Hydropower Technologies
15: Geothermal Energy
16: Emerging and Hybrid Technologies
17: Electric and Hybrid Vehicle

HOW TO APPLY
Interested candidates can download brochure & can fill up online registration form available in our Institute website http://www.nist.edu. Only after receiving the proof of payment of registration fee from the participants through Email, they will be sent confirmation of their participation through E-mail immediately.

Eligibility:
To be eligible to participate, you should be a current undergraduate or graduate student. University students who are in undergraduate or postgraduate programs are welcome to participate, including researchers and doctoral students. All disciplines are welcome.

REGISTARTION FEES
The registration fee for the conference is Rs. 500/- for Faculty and Research Scholars and Rs. 1000/- for Industry participants. The fee shall include accommodation, breakfast and lunch There is no Registration fee for Internal Faculty/Research Scholars/Students. Of NIST

CONFERENCE WEBSITE
https://nist.edu/conference/ncess2022

ACOOMMODATION & TRAVEL
The participants can request for accommodation at the Institute Hostels subject to the availability. Details about the hostels will be updated in conference website. TA and DA will not be paid.

RESOURCE PERSONS
Eminent faculty of the Electrical Engineering department and Faculty from IITs, other NITs & Industry who have the expertise in these areas will be delivering lectures.

About NIST (Autonomous)
The National Institute of Science and Technology (NIST) (Autonomous) www.nist.edu, Institute Park, Pallur Hills, Berhampur, Odisha, was established in 1996 as first NRI higher educational venture in the state of Odisha. NIST is promoted by SM Charitable Educational Trust with Dr. Sukant K. Mohapatra and Mrs. Sanjeeta Mohapatra as founder/donor trustees. It was the vision and dream of the founding members to build NIST as a center of academic and research excellence at par with International Research Universities in their home state of Odisha.

Located at foothills of Pallur Hills in Berhampur, spanning over sixty acres of lush green campus, NIST is a premiere research institute in the country offering undergraduate, graduate, and Ph.D. program in Engineering, Science, and Management. NIST is NACC "A" and NBA accredited. Over the years, NIST has been constantly ranked highly in the country by various ranking organizations like NIRF (MHRD, Govt. of India), DATAQUEST, OUTLOOK and Times etc. In 2021, NIST ranked band PERFORMER in Atal Ranking of Institutions on Innovation Achievements (ARIIA) by Ministry of Education, Govt. of India.

About Indian Energy Congress (IEC)

The Indian Energy Congress is an organization of Engineers established on 7th August, 2019 under Societies Registration Act XXI of 1860 as a registered professional society. Its basic objective is to create awareness, bring thought leaders & researchers in energy sector together and lead various initiatives to address the energy challenges that our humanity faces today. The basic objectives of the Society are: to undertake intensive study & research in engineering with multidisciplinary approach in developing energy resources and their utilization, to promote awareness among people about the production, conservation, &utilization of energy and to create awareness in the society to protect environment and to develop social energy responsibility. All Engineers/ Scientists having Degree or equivalent qualification in Engineering and have attained 21 years of age and are desirous to fulfill the aims and objectives of the Society are eligible to be life members of the Society.

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Program Agenda:

INNAGURAL SESSION (10.00 – 11.40 AM)	
Welcome Address (7 min)	Dr. Sukant K. Mohapatra, Chairman, NIST
Introduction about Seminar (5 min)	Dr. Pravat Kumar Parhi, Secretary General, IEC
Address by Guest of Honor (15 min)	Shri Biswaranjan Mishra, Executive Director, OPTCL
Address by Keynote Speaker (15 min)	Dr. Ashok Kumar Tripathy, Former Director General, CPRI Banglore
Address by Chief Guest (20 min)	Er. Bishnu Pada Sethi, Chairman OHPC
IEC President Address (5 min)	Dr. Pravakar Swain, President, Indian Energy Congress
Vote of Thanks (3 min)	Dr. Priyadarshi Tripathy, Principal, NIST
TEA BREAK (11.40 – 12.00 NOON)	
TECHNICAL SESSION (12.00 – 1.30 PM)	
Talk by Invited Speaker (30 min)	Dr. K. Balaraman, Former Director General, National Institute of Wind Energy
Talk by Invited Speaker (30 min)	Dr. Vikrant Sharma, Deputy Director, National Institute of Solar Energy
Talk by Invited Speaker (30 min)	Dr. Bidyadhar Subudhi, Professor, Indian Institute of Technology, GOA
Talk by Invited Speaker (30 min)	Dr. Kanoongo Barada Mohanty, Professor, NIT, Rourkela
LUNCH BREAK (1.30 – 2.30 PM)	
PANEL DISCUSSION (Energy Sustainability)(2.30 – 4.00 PM) Moderator:	
Moderated Talk by Panelists along with QA session with Audiences	Dr. Prakash Kumar Hota, Professor VSSUT, Burla Mr. Arbind Singh, CEO, TPSODL
STUDENTS' POSTER SESSION (12.00– 5.300 PM)	
Poster session	
	VALEDICTORY SESSION (4.00 – 5.30 PM)
Valedictory Address (15 Min)	Dr. Ashok Kumar Tripathy, Former Director General, CPRI Banglore
Key take away from the seminar (10 min)	
Participant's Feedback (10 min)	
Concluding Remark (10 min)	Dr. Dibakar Swain, Vice President, Indian Energy Congress
Poster Session Visit (45 min)	
TEA BREAK AND END OF THE PROGRAM	