

International Conference on Energy, Power and Environment (Towards Clean Energy Technologies)

September 04 – 06, 2020
National Institute of Technology Meghalaya, Shillong, India



ICEPE 2020

ICEPE 2020 Special Session (SS-04)

1. Title of the special session

Energy, Power and Environment in Aerospace, Aeronautical and Mechanical Engineering Applications

2. Aims & Scope of the Session

The scope of this session is focused on the publication of original papers and review articles connected to all fields of Aerospace, Aeronautical and Mechanical Engineering and Technology, disclosing theoretical, fundamental and applied results linked to potential applications that are related to Energy, Power, Environment and Clean Energy Technologies. Researchers are encouraged to publish the results of their developments with as much detail as possible. Both experimental and computational papers are acceptable provided they report important findings, novel insights, or useful techniques.

3. Topics of interest

The following list of topics is not intended to be exhaustive, but rather to indicate topics that fall within the conference purview:

- Power generation and Conversion
- Energy Analysis and Optimization
- Energy Resources, Storage and Efficiency
- Mathematical Modelling and Computational Simulations
- Solar Energy
- Wind Power
- Alternative Fuels, Bio-fuels and Natural Gas
- Organic and Inorganic Photovoltaics
- Petroleum Engineering
- Combustion

- Emission and Environmental issues
- Energetics and Jet Propulsion
- Rocket Propulsion
- Electric Propulsion
- Electromagnetism and Radar
- Aircraft and Spacecraft Power systems
- Space Exploration
- Clean Energy Technologies
- Robotics and intelligent systems
- Meteorology

4. Special Session Organizer

Sathish. D

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He is presently working as Assistant Professor in the Department of Aeronautical Engineering at Silver Oak College of Engineering and Technology, Ahmedabad. He is the former Senior Research Fellow in the Department of Aerospace Engineering at Indian Institute of Technology, Kharagpur. His research interest includes Aircraft & Aerospace Propulsion, Combustion, Fluid dynamics, Heat transfer, Fluid/thermal analysis, Computational modelling and simulation. He has been working related to Gas Turbine Engine for the last 10 years. He has published and presented several research papers in various journals and conferences, respectively. He had organized various programmes, in which One Week Faculty Development Programme on “Advance Technologies in Gas Turbine Engine” jointly sponsored by Gujarat Technological University (GTU) and All India Council for Technical Education (AICTE) was notable. He was supported by Gujarat Technological University under SSIP scheme for filing six patents. He is working on Defence sensitive project towards Naval Aviation indigenisation with three industrial partners from Gujarat.