

Title of the session

Recent trends in Renewable Energy

Objectives

1. To make the researchers learn all aspects of renewable energies and for better understanding of clean energy technologies.
2. To broaden the knowledge on renewable energies such as wind energy, solar energy, biogas, Fuel cell and energy efficiency and to Facilitate Research and Development in renewable energy sectors
3. To Facilitate Research and Development in renewable energy such as wind energy, solar energy, biogas, Fuel cell and energy efficiency
4. To help the researchers by providing a platform to discuss about the latest technologies in the field of renewable energies

Topics

1. Role of Power Electronics in Renewable Energy
2. Recent advances in power and energy
3. Integrating Energy Storage with Solar, Including Micro grid Functionality
4. Power System Planning and Operation with High Penetrations of PV
5. Power quality issues
6. Wind speed prediction using Machine learning
7. Fuel cells
8. Hybrid energy systems
9. Solar metamaterials
10. Smart grid
11. Renewable energy forecasting and scheduling
12. Energy storage
13. Grid automation and control
14. Smart energy system for smart cities

Name and affiliation of the proposer

Dr. T. PORSELVI

Prof. and Head/EEE

Sri Sairam Engineering College, Chennai-44