

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-15)

1. Title of the special session

Sustainable Energy Technologies for Rural & Remote Places

2. Aims & Scope of the Session:

The world's population has now exceeded 7 billion, and growth projections indicate it to reach 8 billion by 2030. More than half the world's population lives in rural and remote areas. Vast majority of this, around 2.8 billion people, live in rural and remote locations in developing countries. Amongst this, 2 billion people are without access to adequate, affordable and convenient sources of energy. They are dependent on the traditional fuels and conventional mechanisms for their day-to-day activities.

This necessitates the need for development of sustainable energy technologies and their applications for the rural and remotely located people. Further, world is witnessing major changes in energy and power technologies to cope with climate changes, community development and financial mandates. The proposed special session in the conference will provide opportunities for discussions about methods, technologies, systems, best practices and latest developments in different areas of energy conversion & conservation, renewable energy, energy efficient devices & appliances and innovative energy technologies developed by the researchers from different parts of the world.

3. Topics of interest include, but are not limited to:

- Energy Efficient Technologies and Applications
- SPV applications to Agriculture Systems
- Wind Energy – Data analysis, forecasting and newer technologies
- Solar Thermal Energy Applications for Rural & Remote places
- Modelling of Energy Systems and Analysis
- Energy-Saving & Clean Energy Technologies
- IoT applications in Energy Sector
- Advancements in Electric vehicles
- Micro Grid and Smart Grid

4. Special Session Organizers:

1. Dr. Suresh. H. Jangamshetti
Senior Member IEEE
Dean Research and HoD E&EE, Basaveshwar Engineering College (Autonomous),
Bagalkot-587 102
Cell: 98450 95956;
e-mail: jangam@rocketmail.com / suresh.j@ieee.org;
Web: www.sureshj.info

Dr. Suresh H Jangamshetti is Professor in Department of E&EE, Basaveshwar Engineering College (Autonomous), Bagalkot with 34 years of teaching & research experience. He obtained M.Tech in Power Systems and Ph.D in Wind Energy from IIT Kharagpur. His expertises are in Solar-Wind Energy Conversion, Power Systems and Energy Conservation. He has guided 6 PhDs, 55+ UG, 45+ PG projects and has two pending patents. He has received Rs. 160+ lakhs R&D grants and has 87+ technical publications with 789 citations having 10 h-index & 13 i-10 index. He has established R&D infrastructure in SCADA for distribution automation and Renewable Energy application. Has organized 45 faculty/student development programs, attended 59 programs and delivered more than 140+ invited talks. He is a FULBRIGHT alumni – received Fulbright-Nehru visiting lecture fellowship, Michigan Technological University, Houghton during Fall 2011. He is Senior Member of IEEE, LMISTE, LMISWE, LMSVAK, DMKSCST and Rotary member. He has been conferred with... BVV Sangha's 'Best Teacher' award (2018), IEEE-PES Bengaluru chapter's 'Outstanding Engineer' award (2017), VIFA's 'Lifetime Achievement' award for contribution to wind energy' (2016), Bagalkot Rotary club's 'Certificate of Appreciation – Service to Technical Education' (2016), BEC-IEEE's 'Certificate of Appreciation – Service to Technical Education' (2016), Lion and Lioness club, Bagalkot's 'Yeomen Service Rendered in the field of Education' (2015), IEEE Bangalore section's 'Outstanding Branch Counselor' award (2010), IEEE Bangalore section's 'Technical Publication' award (2010), IEEE Region 10's 'Outstanding Branch Counselor'. Presently he is Dean Research and HoD E&EE, Basaveshwar Engineering College (Autonomous), Bagalkot.

2. **Dr. Basanagouda F. Ronad**

Member IEEE

Professor, Department of Electrical & Electronics Engineering,
Basaveshwar Engineering College (Autonomous), Bagalkot-587 103
Cell: 9449760427; E-mail: basugouda.ronad@gmail.com

Dr. Basanagouda F. Ronad obtained B.E (Electrical and Electronics) from Visveswaraih Technological University, Belagavi in 2008, M. Tech (Power and Energy System) from Basaveshwar Engineering College, Bagalkot in 2010 and received Ph.D. degree from Jain University, Bangalore in 2018 in the area of Renewable Energy Applications to Irrigation Systems. His areas of interest include Power Electronics, Power Systems and Renewable Energy Applications. He has fifteen international publications and a published book in his name. He has attended various workshops & training programs and delivered many expert seminars in other technical institutes. He received Rs.1.9 lakh seed grant for research. He received the Young Achiever Award-2018 from IEAE. He visited abroad, Thailand (2013) and USA (2014) for knowledge sharing and enhancement. He has guided 8 UG and 16 PG projects. Presently he is working as Professor for PG-Power and Energy Systems program in the Department of Electrical and Electronics Engineering at Basaveshwar Engineering College, Bagalkot, India.