



6<sup>th</sup> Global Power, Energy and Communication Conference

Budapest/HUNGARY

June 4-7, 2024

## Special Session on

## Renewable Energy Integration and Sustainable Energy Business

The integration of Renewable Energy with the existing Transmission and Distribution infrastructure has introduced a new paradigm encompassing technology and commerce for a sustainable ecosystem. The proposed session envisages inclusion of papers from diverse areas exploring the enabling technologies and their interface with commerce that make up this ecosystem.

### Topics of interest include, but are not limited to:

- .Integration Methodologies for Renewable based Energy Sources to Grid System
- PV and Wind Integrated Standalone and Grid Connected Energy Systems
- Bio-Mass and Mini Hydro Interconnected Renewable Systems
- Selection of Power Electronic Interfaces for Energy Business
- Management and Storage for Renewable Interconnected Systems
- Prosumersism and Futuristic Renewable based Energy Business
- State Estimation and Faults in Renewable Interconnected Systems
- Design and Operational Issues for Renewable Interconnected Systems
- Pricing Methodologies for Renewable based Energy Business
- Stochasticity Minimization in Renewable Interconnected Systems
- Stability Issues in Renewable Interconnected Systems
- Sustainable, Clean and Economic Energy encompassing SDG 7, 12 and 13

### Organizer(s):

1. **Prof. Niladri Chakraborty** : Professor, Department of Power Engineering, Jadavpur University, Kolkata .  
ORCID ID: 0000-0002-7506-6624. Email ID: [chakraborty\\_niladi2004@yahoo.com](mailto:chakraborty_niladi2004@yahoo.com)
2. **Prof. Amitava Gupta**: Professor, Department of Power Engineering, Jadavpur University, Kolkata.  
ORCID ID: 0000-0002-9155-3633. Email ID: [amitava.gupta@jadavpuruniversity.in](mailto:amitava.gupta@jadavpuruniversity.in)
3. **Prof. Prithviraj Purkait**: Professor, Department of Power Engineering, Jadavpur University, Kolkata.  
ORCID ID: 0000-0003-1699-6060. Email: [prithwirajp.pe@jadavpuruniversity.in](mailto:prithwirajp.pe@jadavpuruniversity.in)
4. **Prof. Bidyadhar Subudhi**, Professor, IIT Goa and Director (NIT, Warangal), India.  
ORCID ID: 0000-0003-4383-6783 . Email ID: [bidyadhar@iitgoa.ac.in](mailto:bidyadhar@iitgoa.ac.in)
5. **Prof: Biswarup Das**, Professor, EE Department, IIT Roorkee.  
<https://www.scopus.com/authid/detail.uri?authorId=7403286062> Email ID: [biswarup.das@ee.iitr.ac.in](mailto:biswarup.das@ee.iitr.ac.in)
6. **Prof. Lijun Cai**, Professor, Department of Electrical Engineering, University of Rostock, Germany.  
<https://www.scopus.com/authid/detail.uri?authorId=7401563656> Email ID: [lijun.cai@uni-rostock.de](mailto:lijun.cai@uni-rostock.de)
7. **Dr. Firdous Ul Nazir**, Lecturer, Department of Electrical and Electronic Engineering, GCU, UK  
ORCID ID: 000-0003-3467-7813. Email ID: [FirdousUl.Nazir@gcu.ac.uk](mailto:FirdousUl.Nazir@gcu.ac.uk)

### Deadlines of the special session:

Full paper submission (maximum 6 pages):	<b>March 31, 2024</b>
Notification of acceptance:	<b>April 21, 2024</b>
Final submissions due:	<b>May 15, 2024</b>

All the instructions for paper submission are included at the conference website.

<https://gpecom.org/2024/guidelines/>