

INTERNATIONAL CONFERENCE ON SUSTAINABLE TECHNOLOGY IN ENERGY AND POWER SYSTEMS (STEPCon-2025)



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IEEE
KOLKATA SECTION



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ABOUT STEPCon-2025

STEPCon-2025, a prestigious technical conference organized by Electrical Engineering Department of Narula Institute of Technology in collaboration with the IEEE Kolkata Section, will focus on "Technology in Energy and Power Systems". The conference is scheduled from November 20-21, 2025 and the event will bring together leading researchers, industry experts, research scholars and academicians to discuss innovative solutions for sustainable energy. Key topics will include advancements in renewable energy technologies, smart grids, and power systems aimed at fostering a greener and more efficient future. The conference promises to be a significant platform for knowledge sharing and networking in the field of sustainable energy.

All the presented papers will be submitted to IEEE Xplore digital library for inclusion subject to meeting IEEE Xplore's scope and quality requirements

Prospective authors are requested to submit their manuscripts in PDF not exceeding 6 pages in IEEE Conference format. Please refer to author's guidelines.

Important Dates

Commencement of Paper submission	01.05.2025
Full Length paper submission deadline	20.06.2025
Notification of Acceptance	15.09.2025
Camera Ready Manuscript	05.10.2025
Early bird registration deadline	05.10.2025
Regular registration deadline	15.11.2025
Conference dates	20.11.2025-21.11.2025

Theme 1: Sustainable Energy	Theme 2: Intelligent Grid Systems	Theme 3: Sustainable Utilization of Energy	Theme 4: Control, Communication, Networking & Computational Analysis
<ul style="list-style-type: none">• Wind, Solar and Renewable Energy• Green Energy and Economy• Hydrogen Production (Grey, Blue and Green)• Nano-material for Energy applications• Waste to Energy• Fuel Cell• Biomass• Hydro Power Generation• Environmental Impact and Policy• Energy Conservation and Energy Management	<ul style="list-style-type: none">• Power Transmission• Smart Grid• Micro Grid• Storage Systems• Power Electronics and Drives• Power System Stability, Protection and Re-regulation• IoT based monitoring applications• Condition monitoring of electrical equipment• FACTS, Advanced metering• Power Quality• SCADA Systems	<ul style="list-style-type: none">• Electric Vehicle and Charging Infrastructure• Electrical Machines and Drives• Industrial Electronics• Industry 4.0• Measurements and IoT• Sensor Modelling and Soft Sensors• SMART Sensors• Lighting and Heating Applications	<ul style="list-style-type: none">• Optimization, Meta-heuristics and their applications• Signal and Image-analysis in instrumentation• Biomedical Control, Electronics and Signal Processing• Linear and Non-linear Control• Intelligent Control and Robotics• Power system control• WSN applications for monitoring and control• Optical Communication Systems• Neural Networks, Fuzzy systems and Neuro-Fuzzy systems.• Deep Learning and Engineering Applications

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Contacts: +91 7003475382 | +91 9433148659 | +91 9830054232

Email: stepcon@nit.ac.in

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