The 2nd International Conference on Smart Energy and New Power Systems (SENPS 2024)

Zhuzhou, Hunan   May 10-12, 2024

CALL FOR PAPERS (CFP) || SENPS 2024

The 2nd International Conference on Smart Energy and New Power Systems

May 10-12, 2024, Zhuzhou, Hunan, China
Web: www.senpsconference.com

CONFERENCE OVERVIEW

The 2nd International Conference on Smart Energy and New Power Systems (SENPS 2024) will be held from May 10-12, 2024 in the City of Zhuzhou, Hunan, China.

This Conference focuses on the field of energy and electrical engineering, which aim to promote the innovative development of smart energy and new power systems at home and abroad. Top domestic and foreign experts will be invited to attend the conference to jointly explore hot issues in the field of electrical engineering with theme of "Opportunities and Challenges Faced by New Power Systems", and exchange the latest technological research progress and application experience. The purpose of this conference is provide a forum to bring researchers, academics and practitioners together to exchange ideas and discuss the latest research results on various aspects of Smart Energy and New Power Systems and other related fields. The focus of the conference is to establish an effective platform for institutions and industries to exchange ideas and introduce the work of scientists, engineers, educators and students from all over the world. This conference is a close integration of academia and industry.

湖南省电工技术学会

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The topics of interest for submission include, but are not limited to:

Smart Energy

- Photovoltaic energy
- Photovoltaic concentrators
- Photovoltaic Energy Conversion
- Photovoltaic systems
- Photovoltaic technology
- Photovoltaics and electricity
- Polycrystalline silicon Solar Cells
- Renewable energy cost
- Solar Cells and Solar Energy Conversion
- Solar energy and energy systems
- Solar energy and integrated storage systems
- Solar heating systems
- Solar photochemical applications
- Solar photovoltaic technologies
- Solar power plants
- Solar power systems
- Micro-Optics and Energy
- Optics-energy
- Renewable energy sources
- Solar energy
- Smart Energy Management
- IoT-Enabled Smart Energy Grid
- Artificial Intelligence for Smart Renewable Energy
- Blockchain Based on Smart Energy Grids
- IoT‑based on smart energy grid
- Big data on smart energy

Smart Grid

- Fiexible dc power grid and the flexible access technology
- Electric drive and application of large power grid stability control
- Smart grid planning, design, and operation
- Power electronics, control, and protection systems for smart grid applications
- Electric vehicles and interactions with the grid

- Smart multi-energy infrastructures and the environment
- Multi-domain energy systems
- Power quality and power electronics application and control
- Innovative hardware and components for smart grids
- Business modeling, smart grid market models
- Economics of smart grids
- Institutional design for smart grids
- Diagnostics, self-healing, and reliability of smart grids
- Education and training on smart grids
- Smart grid in interdependent energy infrastructures
- Smart grid for intelligent monitoring and outage management
- Smart grid aplications and technologies
- Smart grid for plug-in vehicles and low-carbon transportation alternatives
- Smart grid for cyber and physical security systems

Power Electronics Technologies
- Modeling and simulation in power electronics
- Power electronics education/professional development
- Telecommunications power supplies
- AC and DC Machines and Drives,
- Reluctance machines and drives
- Permanent magnet machines and drives
- Linear machines and drives
- Sensorless control
- Piezo and electrostatic actuators,
- Maintenance and Fault Diagnosis
- Electrical Vehicles
- EMC related phenomena
- Electrical Machines
- Control Theory and Applications
- Intelligent Systems and Approach
- Motor drives and motion control
- Analysis and design of electrical machines

New power system
- Intelligent technology and its application in power systems
- Power Systems and Applications
- Power Market and Power System Economics
- Power engineering related technologies
- Power System & Energy Engineering
- Power System Protection, Operation and Control
- Transmission & Distribution System and Apparatus
- Power System Stability
- Power System Modeling, Simulation and Analysis

IMPORTANT DATES
Final Submission Due: April 20, 2024
Date of Conference: May 10-12, 2024

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PUBLICATION OF CONFERENCE PROCEEDINGS:

All accepted papers of SENPS2024 will be published in Journal of Physics: Conference Series (ISSN: 1742-6588) by IOP. The proceedings will be submitted to EI Compendex, Scopus, for indexing.

IOP Publishing

PAPER SUBMISSION GUIDELINES:

- SENPS 2024 accepts original and unpublished papers.
- All submitted papers must be written in English.
- Each paper should be at least 8 pages or longer, including tables, graphs, charts & references.
- Article repetition rate cannot be higher than 20%, otherwise it will be rejected directly.
- All papers submitted will be subjected to thorough peer-review based on originality, technical quality, and presentation.
- Please submit your full paper(including all sections, figures, tables and references) to Email: senpsconference@126.com

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