CALL FOR PAPERS
2024 International Conference on Advances in Power and Energy
Online & Tiako Center, Oklahoma City, OK, USA, October 1-3

Oklahoma International Publishing (OkIP) is pleased to host the 2024 International Conference on Advances in Power and Energy (CAPE). The conference aims to bring together scholars from different disciplinary backgrounds to emphasize dissemination of ongoing research and development in the field. Proposals are solicited describing original works in fields below and related technologies. CAPE will include a peer-reviewed program of technical, industrial and poster sessions. Accepted and presented full papers from the tracks below will be published by OkIP and submitted for indexation in major abstract and citation databases of peer-reviewed literature. Extended version of best papers will be considered for Journal publication.

Energy Generation/Storage
- Storage Technologies/Deployment/Economics
- Nuclear | Hydrogen | Fuel Cell-based Systems
- Energy Harvesting/Generation | Inverters
- Biofuel/Biomass Generation | Geothermal
- Circuitry for Energy Harvesting/Scavenging
- HVAC Systems | Transformers
- Energy System Operational Strategies
- Energy Carriers/Distribution/Consumption
- Hybrid Battery/Super Capacitors | Short-Circuit
- DC-AC Converter and Battery Storage System
- Uninterruptible Power Supply | Power supplies
- Demand/Conservation/Supply/Policy
- Clean/Future Energy | Natural Gas | Recycling
- Optimization/Consumption/Conversion
- Balance/Reliability/Strategy/Flow
- Utilization/Complementation | Mobile Storage
- Distributed Systems | Generation Capacity
- Distributed/Hybrid/Optimal Generation
- Liquid Air/Offshore Generation/Storage

Power/Energy Systems
- Usage | Conservation | Management |
- Pervasive Services | Power Security/Stability
- Efficiency | Quality and Filtering Techniques
- Planning and Forecasting | Efficient Lighting
- Operational Strategies | Distribution Issues
- Advanced Metering Infrastructure | Converters
- Generation Technologies and Power Apparatus
- Operation| Automation | Distributed Systems
- Control Method/Techniques | Nuclear Station
- Optimization | Reliability | Transmission Lines
- Quality Monitoring and Mitigation | Security

- Converters Technologies/Topologies | Safety
- Power Electronics in Complex Systems
- Quality-Issues/Supplies | Condition Monitoring
- Integration/Packaging/Thermal-Management
- Power Devices/Driving Circuits | Compensation
- Performance Analysis | Vulnerability | AC/DC
- New Trends/Technologies | Policy | Strategy
- Future Challenges and Directions | Maintenance
- Hard/Soft Switching Techniques | Protection
- Asset Management | Wide-Area Systems
- Signal-Processing/IT/Computing in Power

Grid & Electrical Vehicle (EV)
- Micro/Nano Grids | Smart Grid Technologies
- Station/Substation Protection | Dispatch Mode
- Hybrid/Multi Microgrids | Grid Modernization
- Smart Grids/Microgrids/Meters/Appliances
- Grid Interactive Systems | Grid Resiliency
- Battery Charging Technologies/Systems
- Battery Materials/Mechanisms/Management
- Contact/Contactless Battery Chargers
- Electric/Hybrid Vehicles | Distribution Grids
- Vehicular Technology Energy Saving
- EVs Components/Grid-Interactions | Safety
- Electric-Propulsion/Drive Systems | Weak-Link
- Fault Coordination/Protection of Grids
- Grid Resiliency/Integration/Interfacing/Control
- Cyber and Physical Security of Power Grid
- Grid Internet of Things/Everything (IoT/IoE)
- Power Fluctuation | Dispatch Mode | Adequacy

IA in Power/Energy
- Big-Data | Machine Learning | Data Analytics
- Deep Learning Model | Evolutionary Algorithm

- Estimation/Identification Methods
- Measurement Control/Techniques
- Motion Control | Robotics | Special Drives
- Factor/Disturbance Correction Techniques
- Decision Support Systems| Topology Control
- Frequency Control/Normalization
- Fault/Voltage Diagnosis/Control | Measurement
- Predictive Model | Network Analysis
- Line Monitoring/Inspection | Decarbonization
- Emergency/Flow/Power-Outage Management
- Anomaly Detection/Mitigation | Efficiency
- Multi-Machine Systems | Smart Ballasts
- Computational Methods | Damage Prevention
- Impedance-Model/Frequency Scan Analysis

Renewable/Sustainable Energy
- Wind Farm | Novel Energy Conversion Studies
- Renewable Energy (RE) Evolution/Integration
- RE Systems Management/Awareness/ IoT
- RE Systems Education | Energy Internet
- Wind Hydropower | Solar Energy | RE Market
- Biomass/Biofuel | RE Transmission/Storage
- Geothermal/Wave/Tidal Energy | Wind Power
- Energy-Efficient Protocols/Data-Centers
- RE Distribution/Wireless/Cellular Network
- Electric Machinery/Control Energy Saving
- Green IT/Computing/Communication
- Power/Energy Legal/Social/Economic Issues
- Virtual Power Plant | Storage System
- Electricity Market/Policy/Regulatory Aspects
- Solar Radiation Forecasts |Greenhouse Gas
- Regenerative Power | PV Module Performance
- Energy Saving/Surplus Power | RE Reliability

Technical Research & Industry Contribution
Full Paper: Accomplished research results (6 pages)
Short Paper: Work in progress/fresh developments (3 pages)
Poster/Journal First: Displayed/Oral presented (1 page)

Student Poster & Career Fair
Graduate & Doctoral: Peer-reviewed Poster (1 page)
Undergraduate/High School: Selected Poster (1 page)
Recruiter Booth: Product/Service & Job offerings (1 page)

Corporate Showcase & Exhibition
Booth: Display product and/or service offerings (1 page)
Oral: Present product and/or service offerings (1 page)

Workshop, Tutorial, Forum & Panel
Workshop, Tutorial & Tour: Proposal (1 page)
Executive Forum, Panel & Talk: Proposal (1 page)

For more information, submission details and important dates visit or contact:

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Oklahoma International Publishing | **info@okipublishing.com**

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