

# CALL FOR PAPERS

## 2024 International Conference on Energy and Sustainable Technologies

Tiako Center, Oklahoma City, OK, USA & Online, April 1-4

Oklahoma International Publishing (OkIP) is pleased to host the 2024 International Conference on Energy and Sustainable Technologies (CEST). 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. CEST 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.

### Green Generation/Management

- Energy Management/Storage/Recycling
- Electric/Hybrid Vehicles | Green Energy Boost
- Hydrogen, Fuel cells, Energy Carriers
- Energy Harvesting | Biofuel Generation
- Wind/Geothermal Power | Efficient Lighting
- ...

### Sustainable Designs/Innovations

- Strategies for Sustainability
- Performance Evaluation | Wearable Electronics
- Green Building-Components/Systems-Mngmt
- Efficient Circuit Design for Energy Harvesting
- Ergonomics and Sustainability
- ...

### Smart Systems/Infrastructures

- Smart Construction/City/Vehicle
- Grid Modernization | Efficient Wind Turbines
- Digital Communication and Control
- Evolution/Integration of Renewable Energy
- Reduction of Emission Energy Sources
- Smart Grids/Microgrids/Meters/Appliances
- ...

### Legal/Social/Economic

#### Sustainable/Energy Issues

- Emerging Standards | Ecosystem Monitoring
- Carbon footprints and Metering
- Reduced Carbon Emission | Climatic Data
- Regulatory Issues and Standards
- Safety and Protection of the Environment
- Developed/Emerging Country Tech./Issues
- ...

#### Technical Research & Industry Contribution

**Full Paper:** Accomplished research results (6 page)

**Short Paper:** Work in progress/fresh developments (3 page)

**Poster/Journal First:** Displayed/Oral presented (1 page)

#### Corporate Showcase & Exhibition

**Booth:** Display product and/or service offerings (1 page)

**Oral:** Present product and/or service offerings (1 page)

### Green IT/Computing

- Energy-efficient Protocols and Networking
- IT de-Manufacturing | Disaster Control
- Legitimate IT Recycling | Sustainable Software
- Energy Efficient IT solutions & Algorithms
- Green Software Design/Development
- Energy Efficient Algorithms
- Sensor Networks Usage | Sustainable Big Data
- ...

### Biomedical/Biotechnology

- Digital Health/Wellness
- Advances in Pharmaceutical-Industry/Imaging
- Environmental Protection | Biodegradation
- Portable Medical/Biomedical Devices
- Chemical/Agro-Chemical Safety
- Devices for Disabled/Handicapped
- Marine Microalgae Harvesting | Detoxification
- ...

### Forecasting/Water/Sanitation

- Forecasting Techniques and Predictions
- Weather Analysis | Life/Property Protection
- Societal impacts of weather | climate monitoring
- Weather Accessibility and Understandability
- Water Systems and Sustainability
- Sanitation/Water supply| Sinkhole Identification
- - Gaseous Benzene Remediation
- ...

### 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
- ...

### Power/Energy Systems

- Usage | Conservation | Management |
- Pervasive Services | Power Security/Stability
- Efficiency | Quality and Filtering Techniques
- Planning and Forecasting | Efficient Lighting
- ...

### 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
- ...

### AI in Power, Energy & Sustainability

- Big-Data | Machine Learning | Data Analytics
- Deep Learning Model | Evolutionary Algorithm
- Estimation/Identification Methods
- Measurement Control/Techniques
- ...

### Renewable/Sustainable Energy

- Wind Farm | Novel Energy Conversion Studies
- Renewable Energy (RE) Evolution/Integration
- RE Systems Management/Awareness/ IoT
- RE Systems Education | Energy Internet
- ...

### 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)

### 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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