# 2023 OkIP International Conference on Green Research & CGRT)

Monday, 2 October 2023 - Thursday, 5 October 2023

Tiako Center, Oklahoma City, OK, USA & Doline

# **Scientific Tracks**

# **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 Solar/Biomass Energy | Efficient Power Combustion Fuels and Renewable Sources Uninterruptible Power Supply **Grid-Oriented Energy Systems** Circuitry for Energy Harvesting/Scavenging **Energy Reduction/Conservation** Innovative HVAC Systems | Photovoltaic Cells Power Quality/Filtering Techniques **Energy System Operational Strategies** Advanced Metering Infrastructure Power Distribution Grids | Hydropower Sustainable School/Education Battery Materials/Mechanisms/Optimization Pervasive Energy Services

# Sustainable Designs/Innovations

Strategies for Sustainability
Performance Evaluation | Wearable Electronics
Green Building-Components/Systems-Mngmt
Efficient Circuit Design for Energy Harvesting
Ergonomics and Sustainability
Building and Low Environmental Impact
Sustainable Building Design/Construction
Home and Commercial Automation
Ocean-Wave/Under-Water Energy Harvesting
Energy-Efficient Renovation
Clean Energy Architectural Solutions

#### **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
Internet of Things (IoT) and Sustainability
Smart Energy Management Systems
Smart Urban Development
Intelligent Transportation Systems
Smart Manufacturing/Factory
Unmanned Aerial Systems and Sustainability

### Legal/Social/Economic 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
Spill Prevention and Control
Deregulation and Electric Power Market
Climate Change | Renewable Energy Sources
Green Business Practices | Airborne Substances
Environmental Pollution Issues
Ecosystem Modeling | Green Protocols
Nuclear and the Environment

#### **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 Network Concepts | Efficient Data Centers Climate and Disaster Monitoring AI & Expert Systems for Sustainability Optimization techniques for energy applications Green Cloud/IoT/Communication Technologies Energy-Efficient Data-Centers/Networks Energy-Efficient Machine Learning Approach

#### 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
Biodiesel Production/Agricultural Crop
Electrochemistry Renewable Fuel
Pollution Biodegradation | Soil Contamination
Organic Photovoltaic Cells | ...

# 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