

2024 OkIP International Conference on Green Research & Technology (CGRT)

Tuesday, 1 October 2024 - Thursday, 3 October 2024

Tiako Center, Oklahoma City, OK, USA & Online

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