

2021 OkIP International Conference on Green Research & Technology (CGRT)

Monday, November 15, 2021 - Thursday, November 18, 2021

MNTC Tech Campus, Oklahoma City, OK, USA and Online

Scientific Tracks

Conference Technical Main Tracks

Conference technical main 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 Design/Innovation

- 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/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

Other Conference Tracks or Activities

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