

CALL FOR PAPERS

The International Conference on Energy and Green Computing (ICEGC) focusing on the latest researches, developments, advances and new technologies in the fields of Energy Engineering, Engineering Technologies, IT Energy-aware Technologies, Green ICT Systems and Green Computing. The conference aims to disseminate novel ideas and emerging trends, research results and practical achievements. Original and high-quality contributions are solicited, including theories, applications and experiments. The ICEGC is an opportunity to network, build up partnerships and exchange ideas with a variety of experienced researchers, developers and practitioners from several universities, research institutes, and academia

Accepted and presented papers will be published into **E3S Web of Conferences**, which will be submitted for indexation by **SCOPUS, Thomson Reuters, Ei Compendex, CAS, DOAJ, CPCI (Web of Science), EBSCO, ProQuest**

The **extended versions** of selected papers will be submitted for possible publication in **indexed Journals**



List of Topics

Track 1: Energy

- Sustainable and Renewable Energy
- Photovoltaic Systems and Materials
- Concentrating Solar Thermal Power
- Solar Energy Applications
- Smart Grid and Microgrids
- Biomass Conversion Technologies
- Biofuels / Biofuel Cells
- Distributed Generation
- Distribution Power System
- Efficient Energy Generation
- Electric Drives, Electric Vehicles
- Electricity Storage
- Electromagnetic Compatibility
- Energy Efficiency / Energy Harvesting
- Power Electronics
- Power System Control and Stability
- Power Transmission and Distribution
- Renewable Energy for IT Equipments
- Renewable Power Generation
- Material Science
- Energy Chemical Engineering
- Hybrid Energy Systems
- Energy Conservation, Energy Conversion
- Thermal Energy and Power Engineering
- Environmental Engineering
- Clean Energy Development
- Engineering and Environmental Protection
- Nuclear, Wind, Solar, Geothermal and Biomass Energies

Track 2: Green Computing

- Energy-aware Computing
- Energy-aware Software
- Energy-efficient Network Services and Operations
- Energy-efficient Mass Data Storage and Processing
- Green IT Metrics, Maturity Models, Standards, and Regulations
- Green Networking and Communication
- Green Software Engineering
- Green Cloud Computing
- Using IT to Reduce Carbon Emissions
- Climate and Ecosystem Monitoring
- Smart Transportation and Manufacturing
- Sustainable Computing and Systems
- Smart Buildings and Urban Development
- Renewable Energy Models and Prediction
- Power-aware Algorithms and Protocols
- Optimization of Energy-Efficient Protocols
- Network Design Optimization
- Green Business Process Reengineering and Management
- Low-power Electronics and Systems
- Stability of Smart Energy Systems
- Matching Energy Supply and Demand
- Climate and Ecosystem Monitoring
- IT Solutions for Sustainable Agriculture
- Smart Manufacturing and Industrial IoT
- Green Technology
- Smart and Digital Services
- Education for Sustainable Development
- Smart Cities and Environmental Engineering

Important Dates

Paper submission deadline **August 10, 2021**
 Notification of acceptance **October 25, 2021**
 Camera-ready **November 10, 2021**
 Conference date **December 09-10, 2021**

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