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## The Fifth International Conference on Green Communications, Computing and Technologies

**GREEN 2020**

**November 21 - 25, 2020 - Valencia, Spain**

<http://www.aria.org/conferences2020/GREEN20.html>

### Important deadlines:

Submission deadline	July 5, 2020
Notification	September 5, 2020
Registration	September 19, 2020
Camera ready	September 30, 2020

### Tracks:

#### Hot research/industrial areas

Improving Green-ness  
Eco-Design-energy efficiency  
Green-oriented protocols, computation and services  
Circuitry for energy harvesting and scavenging  
Underwater energy harvesting  
Energy harvesting from stall flutter limit cycle oscillations  
Ultrasound acoustic wave energy transfer and harvesting  
Ocean wave vibration energy harvesting  
Atmosphere monitoring and Green-technologies for Environmental Challenges  
Remote monitoring the batteries  
Battery materials and mechanisms  
Hybrid solar energy - thermal energy - wind energy  
Energy storage  
Grid-oriented energy systems  
Vehicular pollution  
Electric/hybrid vehicles  
Harvesting of marine microalgae/agricultural crop for biodiesel production  
Power distribution grids  
Optimal planning in smart cities and smart meters  
Green-ness incentives  
Green-ness education and motivation

#### Green-awareness

Green-aware engineering methodologies  
Green and sustainable computing  
Green computing and communication technologies  
Data-aware green computing  
Energy-efficient computing and supercomputing  
Intelligent signal processing for Green communications

Green cloud computing  
Green computing and Internet of Things (IoT)

#### Energy-related

Energy Harvesting Communications  
Energy-efficiency for 5G Networks  
Energy-efficient Data Centers  
Energy-efficient Data, Services and Memory Management  
Energy awareness in Big Data Processing and Storage  
Energy-efficient Protocols and Networking  
Green Scheduling and Resource Allocation for Communications  
Smart Energy and Smart Grid  
Power Quality, Power Electronics and Electric Machines  
Smart Grid Applications: Grid-to-Vehicle, Vehicle-to-Grid, Micro-Grid  
Renewable Energy Generation and New Energy Sources  
Pervasive Energy Services

#### Green technologies and services

Smart Sensing, Metering Systems, Smart Cities  
Green Vehicles, Green Homes, Green Buildings  
Green Industrial Automation and Control  
Green Intelligent Transport Systems  
Green Technologies for Mobile, Wireless, Wired Industrial Networking  
Green Data Storage, Data Centers  
Privacy, Safety, and Security in Green-aware Services  
Energy-constrained and Power-constrained Devices, Gateways and Systems  
Green Standardizations and Benchmarks for ICT  
Metrics for Sustainability and their Validation  
Ecosystem Modeling