CONFERENCE AREAS

1. Smart Cities
2. Energy-Aware Systems and Technologies
3. Sustainable Computing and Communications

The purpose of the 4th International Conference on Smart Grids and Green IT Systems (SMARTGREENS) is to bring together researchers, designers, developers and practitioners interested in the advances and applications in the field of Smart Grids, Green Information and Communication Technologies, Sustainability, Energy Aware Systems and Technologies.

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CONFERENCE AREAS

AREA 1: SMART CITIES
- Smart City Business Models
- Human Smart Cities
- Intelligent Transport Systems and Traffic Management
- e-Mobility
- e-Work and e-Business Applications
- Supporting the Ageing Population
- User-Centred and Participatory Design of Services and Systems for Smart Cities
- Innovation Labs, Experimental Test-Beds and Simulation Environments
- Mechanisms for Motivating Behaviour Change
- Internet-Enabled Infrastructures and Services
- Service Innovation and Design to Support Smart Cities
- Cloud Computing and Service Models for Smart City Solutions
- Smart Sensor-Based Networks and Applications
- Analytics for Smart Cities
- IS Architecture Designs and Platforms for Smart Cities
- Case Studies and Innovative Applications for Smarter Cities
- Planning and Design Challenges for Smart Cities
- Frameworks and models for Smart City Initiatives

AREA 2: ENERGY-AWARE SYSTEMS AND TECHNOLOGIES
- Architectures for Smart Grids
- Smart Grid Security and Reliability
- Load Balancing in Smart Grids
- Energy Management Systems (EMS)
- Economic Models of Energy Efficiency
- Energy Monitoring
- Renewable Energy Resources
- Greener Systems Planning and Design
- Virtualization for Reducing Power Consumption
- Virtual Power Plants
- Evolutionary Algorithms in Energy Applications
- Scheduling and Switching Power Supplies
- Energy Profiling and Measurement
- Harvesting Energy
- Energy-Aware Process Optimisation
- Optimization Techniques for Efficient Energy Consumption
- Microgeneration
- Energy Storage

AREA 3: SUSTAINABLE COMPUTING AND COMMUNICATIONS
- Wireless Systems and Networks
- Security and Privacy
- Wearable Computing
- Green Data Centers
- Algorithms for Reduced Power, Energy and Heat
- Ecological monitoring, analytics and visualization
- Green Communications Architectures and Frameworks
- QoS and Green Computing
- Integration of Smart Appliances
- Embedded Sensor Networks
- Pervasive Embedded Systems
- Smart Homes (Domotics)
- Educational Ecosystems
- Green Computing and Education
- Case Studies on Green Computing and Communications
- Interoperability
- Energy Efficient Network Hardware
- Energy Efficient Communication Protocols
- Low power Communication Technologies
- Green Software Engineering Methodologies and Tools
- Virtualization Impact for Green Computing
- Green Computing Models, Methodologies and Paradigms

PUBLICATIONS

All accepted papers will be published in the conference proceedings, under an ISBN reference, on paper and on CD-ROM support. SCITEPRESS is a member of CrossRef (http://www.crossref.org/). All papers presented at the conference venue will be available at the SCITEPRESS Digital Library. The proceedings will be submitted for indexation by Thomson Reuters Conference Proceedings Citation Index (ISI), INSPEC, DBLP, EI (Elsevier Index) and Scopus.

VENUE

Lisbon is known as the white city, thanks to its unique light. The luminous environment and the kind climate allow for marvelous walks through the old town. The city has a beauty that extends beyond its famed monuments, an atmosphere that is best experienced directly in its quaint streets and alleys. The culture, architecture and people found in the city’s historical neighborhoods are fundamental aspects of Lisbon’s identity, and those who explore them will discover their own personal map in this extremely lively city.