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*****CALL FOR PAPER*****

International Seminar on Green Communication, Computing & Management Systems (ISGC2MS-12), March 3, 2012, Dehradun, Uttarakhand, India

Organized by

Institution of Engineers, Technocrats and Academician Network (IETAN)

Last Date of Paper Submission: 30 October 2011 extended November 15, 2011

<http://www.ietan.org/isgc2ms12/isgc2ms12.html>.

INVITATION LETTER

Dear Sir/ Madam

It gives us immense pleasure to inform you that we are planning to organize an International Conference on “Green Communication, Computing & Management Systems (ISGC²MS-12)” on 3 March 2012.

The event shall provide a common platform for the exchange of knowledge between Scientist, Engineers, Technocrats, Academicians, and Researcher have a vital role to play in the process of emergence of new theories, models in the field Communication, Computing and Information Sciences/technologies. They also have a responsibility to harness these for common good and strive to prevent their possible ill effects in the era of rapid growth in technologies. ISGC²MS-12 will play a significant role in generating awareness about the potential and the limitations of new technologies, concepts, theories, and trends. The chief objective of ISGC²MS-12 is to bring together experts from industries, academia, R&D institutions and other user communities on a common platform to discuss and share their expertise and experiences.

Call for papers

Authors are being invited to submit their original work in Communication, Computing and Information Sciences/technologies including, but not limited to, in the following areas. All submissions will be subjected to at least two blind reviews. Acceptance will be based entirely on quality, relevance and originality.

- Green computing methodologies and paradigms
- Energy efficient enterprise computing and IT infrastructure
- Energy efficient design and implementation for VLSI and micro-architecture
- Energy-efficient transmission technologies
- Energy-efficient switch and base station architectures
- Exploitation of passive network elements
- Architectures and frameworks
- Hierarchical and distributed techniques
- Remote power management for terminals
- Context-based power management
- Instrumentation for energy consumption measurement
- Experience, case studies, and lessons learned for green computing systems and applications
- Architecture, system, and protocol design for seamless roaming support in wireless networks
- Energy efficient network infrastructures and protocols
- Spectrum cognition and agility associated with mobility
- Vertical handoff and seamless integration of heterogeneous networks
- Location tracking, positioning, and address management
- Mobility modeling and theoretical/experimental validation
- Mobility impact on routing, resource/power/QoS management
- Adaptive and resilient protocols for seamless mobility support at all layers, as well as cross-layer approaches
- Energy aware large scale distributed systems, such as Grids, and Clouds
- Energy aware high performance computing and applications
- Security and privacy issues under mobility and network access
- Emerging standards and applications on mobility
- Performance characterization and evaluation for green computing systems and applications
- Standards and metrics for green computing and communications
- Energy efficient network services and applications
- Energy awareness in network equipment and operations
- Power aware, thermal aware data center design, service, and application

- Energy efficient system level software such as compilers, hypervisors, monitoring and profiling tools, workload managers, and programming environments
- Energy Efficient Application Design Using Mobile Agents
- Non-conventional Energy Generation and Management
- Mobile communication and its effect on environment
- Mobile Computing Networks and Case Study
- E-waste management
- Green infrastructure design and implementation
- Green Algorithms
- Energy Harvesting
- Natural Calamity and Disaster/Rescue Management
- Green Mechanics and Devices
- Sensor Networks & Applications
- Smart E-governance & E-commerce
- Smart Materials & Mechanics
- Wind Energy Generation and management
- Energy Efficient System Design and Implementation
- Bio-Energy Generation and Management
- Green task scheduling algorithms
- Green Resource Allocation Algorithms
- Green buildings
- Green energy system
- Green architecture
- Energy conversion systems (conventional energy);
- Nuclear energy;
- Hydropower;
- Technology of energy, resource exploitation and processing
- New and renewable energy sources and technologies
- Hydrogen energy
- Fuels and Alternatives
- Emerging Energy Technologies
- Combined heat and power technologies
- Energy and Sustainable Development
- Energy Storage
- Fuel cells
- Batteries
- Energy nanotechnology
- Advances in power generation
- Transmission, planning, distribution and automation
- Distributed energy systems
- Electrical machines
- Adjustable speed drives
- Power Grid Integration
- Energy system protection
- Economic evaluation of power systems and utilities
- Energy forecasting
- Energy system modeling, simulation and optimization
- Energy conservation and management
- Energy policy, economics, and planning
- Energy security and risk assessment
- Environmental impacts of energy systems
- Green Energy
- Low carbon technologies
- Energy Efficient systems

However the research ideas from relevant and related areas are also welcome. Many eminent experts from India and abroad are expected to participate in the conference. We will be happy to have you as one of the honorable participants in the conference. We shall be grateful to receive your suggestions for the conference. I hope that you will be able to join us and grace the event.

Kindly note that information regarding the conference can also be found at www.conferencealerts.com, and www.ietan.org. For further information and queries kindly visit the link given below.

Looking forward to hear your response.

Thanking you

Yours truly,

Dr. R. B. Patel

Organising chair

isgc²ms12

Submit through email: isgc2ms12@gmail.com

Link: <http://www.ietan.org/isgc2ms12/isgc2ms12.html>