



2nd International Conference
on
Smart Computing & Informatics (SCI-2018)
27~28, January, 2018



Jointly Organised by
Departments of CSE & IT
PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY
Vijayawada, Andhra Pradesh, INDIA,
In association with CSI, ACM & IEEE

CALL FOR PAPERS

Special Session on “Recent Trends in Green Computing, IoT and Smart Cities (RTGIS)”

Session Chair:

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Co-Session Chair(s):

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Theme of Session:

The main aim of this special session on “Recent Trends in Green Computing, IoT, and Smart Cities” is to provide a Global forum where investigators and practitioners in the fields of Internet Of Things, Eco-friendly Smart Cities and Green Computing can present their research outcomes. The intent of this session is to discuss the state-of-the-art research paradigms aligned with the above theme by the researchers exchanging their ideas and disseminate their results and vision.

Many industrial applications need efficient computing architectures as well as computing models often derived using complex evolutionary and Meta-heuristic algorithms for promising results. Energy efficiency is key issue in many of the computing. Many researchers identified bio-inspired mechanisms as useful strategies in designing energy efficient systems. IoT acts as an enabler to interconnect intelligent and self-configurable nodes “things” to establish an efficient and dynamic platform for communication and collaboration.

The main Objectives of the Session can be stated as

- ❖ Key challenges in energy efficient composition and interoperability of heterogeneous things integrated with cloud resources.
- ❖ Multi-cloud IoT service composition algorithms
- ❖ Issues in designing smart cities and repurposing existing IoT
- ❖ Topological networks towards IoT
- ❖ Smart buildings, smart power grids for environmental and global sustainability.

Topics of Interest:

We invite original (unpublished) research contributions based on the theme mentioned above including following topics **but not limited to:**

- Big Data with less consumption of energy
- IoT & Big Data Analytics Development



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- Security in IOT with routing protocols
- Mobile Green Computing
- IoT leading to Smart Cities
- Improving Algorithmic Efficiency to reduce the emission of CO₂
- Computing Architecture towards green computing
- Fog Computing

Paper Submission Process:

Please submit your paper (in Word (.docx) format) at
Email: rajababu.m1@gmail.com

With 'Name of Special Session: "**Recent Trends in Green Computing, IoT and Smart Cities (RTGIS)**" ' mentioned in the subject line.

For any further queries related to this special session, please contact the session chairs at:
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