PDGC-2018

2018 Fifth International Conference on Parallel, Distributed and Grid Computing (PDGC) will be organized at Jaypee University of Information Technology, Waknaghat, Solan, Himachal Pradesh, India. PDGC-2018 will serve as an international forum for researchers and practitioners interested in recent advances in the areas of parallel, distributed and grid computing. It will provide an opportunity to present and exchange advanced scientific and technological information in hardware, software and theoretical foundation in these areas. The proceedings of PDGC 2018 will appear in the proceedings published by IEEE and fully indexed by IEEE Xplore (**IEEE Conference Record No. 44302**). 1st best paper, 2nd best paper and 3rd best paper award will be given.

Venue

Jaypee University of Information Technology is located at Waknaghat, Solan, Himachal Pradesh 173234, India. It is situated near Shimla (24 Km) just 3 Km off the NH22 (Delhi-Ambala-Kalka-Waknaghat-Shimla road). Convenient airports are Shimla (30 Km), Chandigarh (100 Km), New Delhi (350 Km) and Amritsar (350 Km).

SPECIAL SESSION ON "RECENT ADVANCEMENTS IN INFORMATION TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT, RAITSD-2018"

SESSION CHAIR

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AIMS & SCOPE

The main aim of this special session is to focus upon the recent advancement in information technology for sustainable development. Over the past three decade, information technology has been the most interest field for research and development. From commerce and government to scientific discovery, healthcare, education, entertainment, and environmental management, information technology is indispensable and will continue to fuel further advances in all facts of human endeavors. The primary interest of this special session is to provide the platform for state of art and recent research in information technology for sustainable development. The focus must be on real world problems and their prospective solutions.

PUBLICATIONS: All the accepted paper after the oral presentation during the conference will be submitted to IEEE Xplore. **IEEE Conference Record No. 44302**

PUBLICATION:
All the accepted and presented papers (after double blinded peer review) will be submitted to IEEE Xplore for publication.

Conference Indexing: SCOPUS.

Important Dates:

Submission of Full Papers Deadline	**15th July, 2018**
Notification of Acceptance Deadline	**15th October, 2018**
Submission of Accepted Camera-Ready Papers Deadline	**30th October, 2018**
Author's Registration Deadline	**15th November, 2018**
Conference Dates	**20-22 December, 2018**

TOPICS OF INTEREST

Full length original and unpublished research papers based on theoretical or experimental contributions related to the below mentioned tracks are invited for submission in this special session:

Tracks: (Sub-Themes)

- Business Models and Processes for the Internet of Things
- Case Studies in areas of Healthcare, Agriculture and Transport
- Communication Networks for Internet of Things
- Communication Systems and Architectures for the IoT
- Context-awareness and Location-awareness
- Data Engineering for Internet of Things
- Data Utilization for Internet of Things
- Future Technologies Bridging the Physical and Virtual Worlds
- Internet of Services
- IoT Architectures, Platforms and Applications

- IoT Services
- Location and Discovery of Things on the Internet
- Mobile Services
- Network Design and Architecture and Communication Protocols
- Performance Evaluation and Modeling
- Security, Privacy and Trust
- Semantic Web of Things
- Smart Environment, Objects, Cities
- Smarter Sensors
- Software Architecture and Middleware
- Efficient Sensor Network
- Energy Efficient Wireless sensor Network
- Wireless Sensor Network
- Secure Communication in Wireless Sensor Network
- Data Aggregation in Wireless Sensor Network
- Web of Things
- Cyber-physical threats, vulnerability analysis, and countermeasures
- Critical infrastructure protection
- Communication overhead
- Energy-efficiency in security management
- Lightweight Encryption
- Real-Time Applications
- Real-time cryptosystem based on chaotic systems
- Security challenges in the Internet of Things

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PAPER SUBMISSION PROCESS:

Paper Submission Process:

Please submit your paper (in word/pdf format) at: ashishluhach@acm.org With '**Recent Advancements in Information Technology for Sustainable Development (RAITSD - 2018)**' mentioned in the subject line.

 You may upload the paper through easy chair on the conference website. Details are as follows;

http://www.juit.ac.in/pdgc-2018/paper_submission.php

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

Email ID: ashishluhach@acm.org

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Publication Policies:

1. All registered and presented papers/review articles shall be submitted to IEEE Xplore for their possible publication in a Conference Proceedings format (online). However the right to accept and subsequent publication of each will be with IEEE Xplore that will be decided on the basis of the quality novelty of work and the originality of the text, the manuscript will represent.

2. In case, any registered paper/article is rejected by the IEEE Xplore for its publication with their conference proceeding due to any reason (mentioned at point number-01), the sole responsibility shall lies with authors of that article. As we clearly stated on the first and home pages, that IEEE Xplore will conduct quality checks on the accepted papers and only papers that pass these checks will be published.

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3. Paper/article length is limited upto 6 pages only. Extra pages are to be avoided, if necessary, author can place a request in advance with payment of separate fee (page-wise) as mentioned in the registration link.