



IEEE Conference Record No. 44302

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PDGC-2018

2018 Fifth International Conference on Parallel, Distributed and Grid Computing (PDGC) will be organized at Jaypee University of Information Technology, Wagnaghat, 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 Wagnaghat, Solan, Himachal Pradesh 173234, India. It is situated near Shimla (24 Km) just 3 Km off the NH22 (Delhi-Ambala-Kalka-Wagnaghat-Shimla road). Convenient airports are Shimla (30 Km), Chandigarh (100 Km), New Delhi (350 Km) and Amritsar (350 Km).

SPECIAL SESSION ON “SMART INNOVATION AND USAGE OF INTELLIGENT IOT”

SESSION CHAIR

Prof. (Dr.) S. C. Bera , **Chaibasa Engineering College**

Prof.. (Dr.) Sudipta Chakraborty , **Director, Techno India Group**

CONVENER:

Dr. Tanmay Dutta , Principal, Chaibasa Engineering College, Jharkhand
Mr. Debabrata Raha, Asst. Prof., Chaibasa Engineering College, Jharkhand
Mr. Saunak Bhattacharya, Asst. Prof., Chaibasa Engineering College, Jharkhand
Mr. Subhadip Pan, Asst. Prof., Chaibasa Engineering College, Jharkhand
Mr. Bappaditya Jana, Asst. Prof., Chaibasa Engineering College, Jharkhand

AIMS & SCOPE

It is our great pleasure to announce that Theme Based Special Session at “2018 Fifth International Conference on Parallel, Distributed and Grid Computing” (PDGC 2018, IEEE Conference Record No. 44302) organized by Chaibasa Engineering College(Estd. By Govt. of Jharkhand & run by Techno India under PPP), Jharkhand in collaboration with Jaypee University of Information Technology, Shimla, Himachal Pradesh and IEEE Delhi Section on December 20-22, 2018 at Jaypee University of Information Technology, Shimla, Himachal Pradesh 173234, India.

Smart IOT is an exciting emerging research field that has great potential to transform both our understanding of fundamental engineering principles and our standard of living. IOT is being employed in more and more areas making "Everything Smart", such as smart home, smart city, intelligent transportation, environment monitoring, security system and advanced manufacturing.

The Internet of Things (IoT) is concerned with all aspects related to the network connected objects, such as physical devices, vehicles, home appliances, and other items, which are embedded with electronics, software, sensors, and network connectivity. IoT allows these objects to collect and exchange data. IoT enables objects to be perceived and controlled remotely across existing network infrastructure, creating opportunities for more direct integration between the physical world and computer-based systems, and promoting efficiency, accuracy, and economic benefit. The primary goal of PDGC 2018 is to exchange, share and discuss the latest research, theories and applications for smart IOTs. Prospective authors are invited to submit original research papers which propose new methodologies, propose new research directions and discuss approaches or scheme for current existing issues.

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	30th September, 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:

The objective of this special issue is to capture the latest advances in research topics that include but are not limited to:

- IoT Architectures (Things-Centric, Data-Centric and Service-Centric Architectures)
- IOT in WSN
- Sensing, monitoring, networking and routing
- Smart cities and internet of vehicles
- Control and decision making for smart IoT or CPS
- Security and privacy for smart IoT or CPS
- 5G Networks and IoT
- IoT and Personal Data Protection
- Sensors Data Management, IoT Mining and Analytics
- Mobile and Cloud-Based IoT Designs

- Big Data and IoT on the Cloud
- IoT based Embedded and Information Systems.
- IoT Enabling Technologies (Sensor Networks and Machine-Type Communication)
- Hybrid Energy Efficient Intelligent Models using Artificial Intelligence in IoT for Industry
- Innovative Deep Learning Architectures for Optimizing Time Series Computational Data in IoT
- Energy Efficient Machine Learning and Data Analytics Techniques in IoT for Industry
- Fuzzy Fusion of Sensors, Data and Information
- Knowledge-Based Discovery with Evolutionary Algorithms for QoS in IoT devices
- Multi-Objective IoT System Modelling and Analysis—Performance, Energy, Reliability, Robustness
- Computational Resource Management using Neural Network Modelling for IoT Systems.
- Quality aspects in the IoT (e.g., runtime dependability, assurances, validation, verification, privacy, security)
- State-of-practice, experience reports, industrial experiments, and case studies in the IoT

PAPER SUBMISSION PROCESS:

Paper Submission Process:

Please submit your paper (in word/pdf format) at following emails:

Email: “sudipta_25@ieee.org / bappaditya.j.in@ieee.org” with Subject Line ‘Research Paper for Special Session- Smart Innovation and Usage of Intelligent IoT - PDGC- **2018** from your email.

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:

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Technical Program Committee (TPC):

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Dr. R.B.V. Subramanyam	NIT Warangle , India
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Dr. Jitendra Agrawal	RGVP Bhopal,India

More International and National distinguished academicians will be added shortly.

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 lie 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. Therefore authors are expected to avoid to use similarity text (copy and paste from other published works), should adhere to original work maintaining technical and result description qualities. Also authors will not allow to make changes in the choice of publication category (I or II) once registered and pay the fee as per category wise.
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.