



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 “DISTRIBUTED SOLUTIONS FOR UBIQUITOUS COMPUTING (DSUC)”

SESSION CHAIR

Dr. Rajeev Tiwari

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CO-SESSION CHAIR

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AIMS & SCOPE

Recent technological era of cloud is shifting towards smart and ubiquitous devices. The emerging Internet of Things (IoT) and rich cloud services have helped create the need for edge/fog computing, in which data processing occurs in part at the network edge or anywhere

along the cloud-to-endpoint continuum that can best meet user requirements. Having edge or Fog computing can reduce the latency delays and can have devices with lesser power capabilities.

This special issue aims at the latest and novel contributions from academic researchers in this new and exciting area.

Detailed topics included in this special session are given below and scope is limited to these and their allied areas only.

- Edge/fog service architecture (including operations and business support)
- Edge/fog service discovery, synchronization, and accountability/monetization
- IoT based systems with cloud solutions for enabling ubiquitous computing
- IoT networks for M2M
- IoT Network with Big Data analytics
- Original research for minimizing delays in edge/ fog/wireless networks
- IoT/Fog/Edge/Cloud as allied areas of working
- Intelligent ubiquitous system with Machine learning to offer recommendation system.
- Edge/fog-to-cloud APIs and protocols
- software-defined edge/fog computing • mobility, connectivity, heterogeneity support for edge/fog services
- distributed edge/fog management (e.g. scalability, energy, security, and privacy)

This special session at PDGC 2018 aims to solicit, consolidate and disseminate the latest advances and developments in emerging focused areas of IoT, Fog, Cloud, Machine learning and their allied areas. Authors are invited to submit papers presenting novel technical studies as well as broader position and vision papers on next generation networking systems and their applications.

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:

PAPER SUBMISSION PROCESS:

Paper Submission Process:

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

Email: “Rajeev.tiwari@ddn.upes.ac.in, sudhanshutyagi123@gmail.com” with Subject Line ‘Research Paper for Special Session-DSUC- 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):

List of Members from India & Abroad (Consented already)

1. Dr. Kusum Yadav, Professor, University of Hail, Kingdom of Saudi Arabia .
2. Dr. Dimitrios Koukopoulos, Assitsnat Professor, University of Patras, Greece
3. Dr. Mangal Sain, Assistant Professor, Dongseo University, Busan, South Korea
4. Goutham Reddy Alavalapati, Assistant Professor, Sejong University, Seoul, South Korea
5. Dr. Amit Banerjee, Scientist, Microelectronic Technologies & Devices, Department of Electrical and Computer Engineering, National University of Singapore
6. Dr. Shashi Bhushan, Professor, Chandigarh University, Chandigarh
7. Dr. Abhineet Anand, Associate Professor, Galgotia University, Greater Noida
8. Dr. Sanjay Tyagi, Professor, Kurukshetra University, Haryana.
9. Dr. Venkatadri M, Associate Professor, University of Petroleum and Energy Studies, Dehradun
10. Dr. Manoj Verma, Associate Professor, Shri Mata Vaishno Devi University(SMVDU), Katra, J&K
11. Dr. Vikas Sihag, Sardar Patel University, Jodhpur, Rajasthan

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 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. 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.