



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 “High Performance Computational Intelligence in Data Mining”

SESSION CHAIR

Dr. Vijendra Singh

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AIMS

This Special session focuses on the computational theories, probabilistic and statistical models optimization for data analytics, and applications of novel techniques that apply effective computing tools and techniques for data analysis. This special session provides a platform to bring together interdisciplinary researchers from areas, including computer science, applied mathematics, social sciences, and computer engineering, to showcase innovative research in computational systems that leverage the emerging trends in parallel and distributed processing, computational modeling, data engineering and high performance computing.

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:

Topics include, but are not limited to, the following:

- Computational theories for big data analysis
- Probabilistic and statistical models and theories
- Parallel and Distributed Algorithms
- Algorithmic Techniques to Improve Energy and Power Efficiency
- Parallel Algorithms for Computational Biology
- Big Data Analytics Systems Architectures
- Technologies for High-Performance Computing
- Social mining analytics and applications
- Web search and recommendation systems
- Crowdsourcing and collective intelligence applications
- Cloud, Grid, cluster, and peer-to-peer systems
- Parallel and high performance machine learning algorithms and applications
- Parallel and Distributed Computing in Data Bases and Data Mining
- Knowledge discovery from heterogeneous, unstructured and multimedia data
- Computational Intelligence for Pattern Recognition and Medical Imaging
- Incremental learning – theory, algorithms and applications in Big data
- Sparse data, feature selection and feature transformation
- Intelligent Information Retrieval
- Probabilistic and information-theoretic methods
- Internet of things (IOT), Sensor, Mobile and Wireless Applications
- Bio-inspired and nature-inspired distributed computing
- medical imaging and pattern recognition
- Languages, compilers, and tools for parallel and distributed programming
- HPC in Scientific, Engineering, Medical and Social, Physics, and Military Applications

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PAPER SUBMISSION PROCESS:

Paper Submission Process:

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

Email: "vsingh.fet@gmail.com" with Subject Line 'Research Paper for Special Session 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:

Email ID: vsingh.fet@gmail.com

Mobile No.: +91-8800642397

Technical Program Committee (TPC):

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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.

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.