



Call for Papers

**2018 Fifth International Conference on Parallel, Distributed and
Grid Computing (PDGC)**

IEEE Conference Record No. 44302

20-22 December, 2018

**Department of Computer Science & Engineering and Information
Technology**

Jaypee University of Information Technology

**P.O. Wagnaghat, Tehsil Kandaghat, Solan-173234, Himachal
Pradesh, INDIA**

2018 Fifth International Conference on Parallel, Distributed and Grid Computing (PDGC) will be organized at Jaypee University of Information Technology, Wanknaghat, 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.

THE TOPICS OF INTEREST INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING TRACKS:

1. Parallel and Distributed Algorithms & Secure Computing and related Tools: Parallel Algorithms, Algorithms Exploiting Clusters and General-Purpose Distributed and Parallel Systems, Hybrid & Embedded Parallel Systems, Memory Organization, Support for Parallel I/O, Multi/Many Core Systems, GPU and FPGA based Parallel Systems, Heterogeneous Distributed Systems, Distributed Shared Memory Systems, Distributed Object-oriented Systems, AI in Distributed Systems, Real Time Distributed Systems, Security in Computational and Data Grids, Security in Distributed Environments, Configuration, Policy, Management Issues, Operating Systems, Compilers, Languages, Debuggers, Monitoring Tools, Software Engineering on Parallel/Distributed Systems.

2. Networks, Interconnection Networks and Network based Computing, Multimedia & Service Networking: Scalable Networks, Reconfigurable Networks, Routing Issues, General-Purpose Network Performance for Distributed Applications, Network Protocols, Internet Technology, Optical Interconnections and Computing, Novel Network Topologies, Web Computing, Cluster Computing, Cloud Computing, Computational Grids, Data Grids, Semantic Grid, Mobile Agents, Distributed Web Services, Multimedia Communications and Services, Real-time Networking, Performance Modeling, Networked Real-time Embedded Systems, Services onDemand, Network Management, Multimedia Architectures and Protocols, Multimedia Applications, Quality of Service Support, Operating System and Networking Support, Internet Tools and Applications, Audio/Video Delivery over the Internet.

3. Dependable, Cluster and Grid Computing: Fault-tolerance, Self-stabilization, Performance Prediction and Analysis, Simulation, Knowledge-based Program Development. Collaboration Technologies, Communication and Networking Systems, Data Analysis and Management on Grids, Data Grids, Grid Computing Infrastructures, Middleware and Tools, Grid

Computing Services, Grid Infrastructures for Data Analysis, Grid Standards as related to Applications.

4. Cloud & Big Data Computing: Actor Model, Cluster Manager, Redundant Array of Inexpensive Servers, Utility computing, Virtual Private Cloud, Cloud Computing Techniques for Big Data, Algorithms and Programming Techniques for Big Data Processing, Model and Languages for Big Data, Persistence and Preservation Algorithms and Systems for Big Data search, Distributed and Peer to Peer search, Large Scale Social Media and Recommendation Systems, Big Data Tool Kits, Anomaly Detection in Very Large Scale Systems, Parallel and Distributed Data Mining Algorithms, Web-based Computing and Service-Oriented Architecture, Wireless and Mobile Computing, Algorithms Design and Analysis, Artificial Intelligence, Computer Vision, Neural Networks and Fuzzy Logic, Biologically Inspired Computing, Systems Biology, Cyber-Physical Systems, Wireless Sensor Networks, Remote Sensing, Social Networks (Social Media), Human Computer Interaction, Graph Embedding, Computer Graphics and Virtual Reality, Nanotechnology in High Performance Computing.

PUBLISHER: IEEE Explore

Indexing of PDGC-2018: **IEEE Xplore, Scopus**

Extended Versions of the Conference papers may be considered for the Following Journals. Extended papers must have at least 70% of new contents in the extended manuscripts for Journals. (Few more will be added soon):

- ✓ **International Journal of Healthcare Information Systems and Informatics (IJHISI)**, Indexed in **Web of Science Emerging Sources Citation Index (ESCI), SCOPUS**, Compendex (Elsevier Engineering Index). Special Issue on Design of Reliable, Secure and Intelligent Systems for Healthcare Applications. Guest Editors:- Dr. Pradeep and Dr. Rajeev from JUIT, India. URL: <https://www.igi-global.com/calls-for-papers-special/international-journal-healthcare-information-systems/1094>
- ✓ Special Issue on “Special Issue on Networking Technologies for Sustainable Computing”, Sustainable Computing, Elsevier Journal, By Dr. Pradeep Singh et al. Indexed in **Scopus, Science Citation Index Expanded, Web of Science**. URL:- <https://www.journals.elsevier.com/sustainable-computing/call-for-papers/networking-technologies-for-sustainable-computing>
- ✓ **International Journal of E-Health and Medical Communications (IJEHMC)**, Special Issue on Special Issue On: Security and Privacy in Healthcare, Guest Editor Dr. Sudeep Tanwar et al., **Indexed In: Web of Science, Emerging Sources Citation Index (ESCI), SCOPUS**. URL:- <https://www.igi-global.com/calls-for-papers-special/international-journal-health-medical-communications/1158>
- ✓ **International Journal of Information System Modeling and Design (IJISMD)**, Indexed In: **Web of Science Emerging Sources Citation Index (ESCI), SCOPUS**. Special Issue On: Innovation of Information Technologies in E-Commerce: Opportunities and Challenges.

Guest Editors: Dr. Pradeep et al. from Jaypee Univ. of IT. URL:- <https://www.igi-global.com/calls-for-papers-special/international-journal-information-system-modeling/1157>

✓ Security and privacy Journal, Wiley

Book Chapters:-

- Multimedia Big Data Computing for IoT Applications: Concepts, Paradigms and Solutions - In Springer-Last date-25 September 2018.
- Security and Privacy of Electronic Healthcare Records, The IET Book Series on e-Health Technologies

All the chapters of above mentioned books will be published by SPRINGER, IET, respectively and also indexed in SCOPUS, DBLP, IEEE Xplore, respectively. There are NO publication charges for these books.

KEYNOTE SPEAKERS:

Official Name: Dr. Mohammad S. Obaidat

Affiliation: King Abdullah II School of Information Technology, the University of Jordan.

List of Tentative keynote speakers (Confirmation Awaited)

Official Name: Dr. Pljonkin Anton

Affiliation: Institute of Computer Technologies and Information Security, Southern federal university, RUSSIA

Official Name: Dr. Ioan-Cosmin MIHAI

Affiliation: "Alexandru Ioan Cuza" Police Academy, ROMANIA

Official Name: Dr. Abhijit Sen

Affiliation: Computer Science and Information Technology, Kwantlen Polytechnic University, CANADA

Official Name: Dr. Jitender Kumar Chhabra

Affiliation: Department of Computer Engineering, NIT Kurukshetra, INDIA

Official Name: Dr. Pao-Ann Hsiung

Affiliation: Dean of International Affairs, Professor of Computer Science and Information Engineering, National Chung Cheng University, TAIWAN

PAPER SUBMISSION:

Authors are invited to electronically submit their paper using **IEEE format** written in English, of up to 6 pages (full paper) and 4 pages (short Paper), full paper presenting the results of original research or innovative and short paper may have partially completed with theoretically established idea to practical applications relevant to the conference. All submissions are to be done electronically and submitted papers will be peer reviewed for possible inclusion in the conference proceedings to be published by IEEE Computer Society Press and IEEE Explore. At least one of

the authors of each accepted paper must register for the conference and present their paper in person at the conference. All types of submission can be made through the following ways:

EasyChair



<https://easychair.org/conferences/?conf=pdgc2018>

EDAS



<http://edas.info/N24770>

IMPORTANT DATES:

Submission of Full Papers Deadline	30th September, 2018 30th October, 2018 (Extended Date)
Notification of Acceptance Deadline	31st October, 2018 (First round of acceptance) 15th November, 2018 (Second round of acceptance)
Submission of Accepted Camera-Ready Papers Deadline	15th November, 2018 (First round of acceptance) 30th November, 2018 (Second round of acceptance)
Author's Registration Deadline	30th November, 2018
Conference Dates	20-22 December, 2018

REGISTRATION:

Category	Delegates from India		Foreign delegates	
	IEEE members	Non IEEE members	IEEE members	Non IEEE members
General Delegates	Rs. 6000/-	Rs. 7000/-	US\$ 600	US\$ 700
Student Delegates	Rs. 4000/-	Rs. 5000/-	US\$ 400	US\$ 500
Listener: Non-Author/ Co-Author/ Simple Participants (no paper)	Rs. 3000/-	Rs. 3500/-	US\$ 300	US\$ 400
Industry Participants	Rs. 6500/-	Rs. 8000/-	US\$ 650	US\$ 750

ACCOMMODATION:

Accommodation (Shared Basis in Hostel)

ORGANIZED BY:

Jaypee University of Information Technology, Shimla, Himachal Pradesh, India

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