



Call for Papers

**2016 Fourth International Conference on Parallel, Distributed and
Grid Computing (PDGC)**

22-24 December, 2016

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

Jaypee University of Information Technology

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

2016 Fourth International Conference on Parallel, Distributed and Grid Computing (PDGC) will be organized at Jaypee University of Information Technology, Wanknaghat, Solan, Himachal Pradesh, India. PDGC-2016 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 TOPICS OF INTEREST INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING TRACKS:

Parallel and Distributed Algorithms: 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.

Networks, Interconnection Networks and Network based Computing: 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

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.

Multimedia and Service Networking: Multimedia Communications and Services, Real-time Networking, Performance Modeling, Networked Real-time Embedded Systems, Services on-Demand, 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.

Cloud Computing: Actor Model, Cluster Manager, Redundant Array of Inexpensive Servers, Utility computing, Virtual Private Cloud.

Secure Computing: Security in Computational and Data Grids, Security in Distributed Environments, Configuration, Policy, Management Issues.

Big Data Computing: 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.

Software Tools and Environments for Parallel and Distributed Platforms: Operating Systems, Compilers, Languages, Debuggers, Monitoring Tools, Software Engineering on Parallel/Distributed Systems.

PUBLISHER: IEEE

KEYNOTE SPEAKERS:

Prominent international keynote speakers will be presenting the state of art in research in Parallel, Distributed and Grid Computing.

- Prof. Raj K Bhatnagar, Department Of Electrical Engineering and Computing Systems, University of Cincinnati, USA.
- Prof. R. Govindarajan, Supercomputer Education and Research Center (SERC) and Department of Computer Science and Automation, Indian Institute of Science (IISc), Bangalore, INDIA.
- Prof. Santi Caballé, Universitat Oberta de Catalunya, Barcelona, SPAIN.
- Prof. R.K. Ghosh, Department of Computer Science and Engineering, IIT, Kanpur, INDIA.
- Prof. Manoj Misra, Department of Computer Science and Engineering, IIT, Roorkee, INDIA.

PAPER SUBMISSION:

Authors are invited to submit full papers in English of not more than 6 pages (including figures, tables & references) in IEEE double-column format. Submissions must present original work that has not been previously published, and is not under submission elsewhere. All articles will be reviewed for scientific quality by the Technical Program Committee and external reviewers. Submissions should use the general IEEE template with the minimum font size of 10 points. All papers must include a title, complete contact information for all authors, and keywords on the cover page. The corresponding author should be identified clearly. Papers must be submitted electronically (in PDF format) via on-line submission using the EDAS system at the following link: (<http://edas.info/N22469>) .

If you encounter problems in submitting the papers through our EDAS conference paper submission system, contact at pdgc2016@gmail.com .

In addition, authors of high quality selected presented papers in PDGC 2016 in the areas covered by the following special issues will be invited to resubmit their extended manuscripts (**substantially revised, expanded and rewritten**) for possible publication. Further such authors will meet the copy right permission requirements of the journal concerned. These special issues are Scopus indexed journals. We would like to emphasize that there will be no extra charges for the publication in our special Issues.

1. Special Issue on “**Recent Developments in Parallel, Distributed and Grid Computing for Big Data**” in **International Journal of Grid and Utility Computing, Inderscience** (<http://www.inderscience.com/info/ingeneral/cfp.php?id=3404>)

2. Special Issue on “**Advanced Techniques in Multimedia Watermarking**” in **International Journal of Information and Computer Security, Inderscience** (<http://www.inderscience.com/info/ingeneral/cfp.php?id=3420>)

3. Special Issue on “**Recent Developments in Multimedia Watermarking using Machine Learning**” in **Journal of Intelligent Systems, De Gruyter** (<http://www.degruyter.com/view/j/jisys>)

IMPORTANT DATES:

Submission of Full Papers Deadline	15 July, 2016 05 October, 2016 (CLOSED)
Notification of Acceptance Deadline	01 September, 2016 01 November, 2016
Submission of Accepted Camera-Ready Papers Deadline	20 October, 2016 20 November, 2016
Author's Registration Deadline	20 October, 2016 30 November, 2016
Conference Dates	22-24 December, 2016

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:

Free for the Presenting Conference Participants.

CONTACT INFORMATION:

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