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**Welcome to IEEE INDICON 2014.**

INDICON is annual conference conceptualized by IEEE India Council in the field of Computer Science and Engineering, Electrical Engineering & Electronics and Communication Engineering, in general. This has been a metamorphic version of Annual Convention and Exhibitions (ACE) which was the annual meeting of IEEE India Council, renamed as INDICON. First INDICON was organized by IEEE Kharagpur Section at IIT Kharagpur during 2004. Subsequent INDICON were organized by IEEE Madras Section (2005), IEEE Delhi Section (2006), Bangalore Section (2007), IEEE UP Section (2008), IEEE Gujarat Section (2009), IEEE Calcutta Section (2010), IEEE Hyderabad Section (2011), IEEE Kerala Section (2012) and IEEE Bombay Section (2013). Over the past few years, INDICON emerged as a well recognized and an eagerly anticipated event in the country because of its high quality technical sessions and for the networking opportunities it provides. The 11<sup>th</sup> IEEE India Conference INDICON 2014, which is being organized by the IEEE Pune Section is expected to attract over 500 delegates from all over the country and abroad and will consist of very high quality technical sessions and tutorials.

IEEE Pune Section was established on June 26, 2010. The section falls under the jurisdiction of Asia Pacific Region (R-10) of IEEE. Prior to that it was a subsection of IEEE Bombay Section. At present, the Pune Section has more than 1800 members. There are 21 IEEE Student Branches in different Engineering Colleges in and around Pune City.

The Pune Section interfaces with the industries and academia through various technical and humanitarian activities. Section organizes various activities throughout the year, which are helpful to the professional members as well as for student's community for their skill set upgradation. This year, INDICON 2014 is being organized by IEEE Pune Section, at YASHDA, Pune.

**Call for Papers**

**Topics of interest for submission include, but are not limited to:**

- Big data and Data mining
- Cloud and Ubiquitous Computing
- Emerging trends in Engineering
- High Performance Computing
- Information and network security
- Power and Energy
- Software and Database System

**Big data and Data mining**

Big Data Science, Data Computing, Data Mining, Data Analytics, Data Understanding, Data Applications, Data Privacy and Security.

**Cloud and Ubiquitous Computing**

Cloud infrastructure, virtualization, resource management and scheduling, networking, storage systems, Cloud application, Cloud migration, Cloud federation, Cloud programming models, Cloud Economic, business, Cloud monitoring, Cloud provisioning, Ad hoc networks for ubiquitous communications, Energy-efficient and green ubiquitous computing, Intelligent Transport Systems (ITS), Internet of Things and Social Web of Things, Middleware for Ubiquitous Services and Applications, Wireless Sensor Networks (WSNs), Multimodal Sensing and Context for Ubiquitous Applications.

**Emerging trends in Engineering**

Robotics, Image Processing, Embedded Systems and VLSI, Mobile Computing, Wireless/Mobile Communications Analysis & Design of Algorithm, Communication Techniques and Systems, Computer Architecture, Artificial Intelligence, Multimedia, Neural Network, Virtual Reality, Web Crawlers, Wireless/Mobile Communications, Applications of Soft Computing, Electrical and Hybrid Vehicle, Biomedical Instrumentation, Engineering Innovation for Healthcare Systems, Technology to Bridge Rural and Urban Divide, IOT and Cyber Physical Systems, Human Computer Interaction,

**High Performance Computing**

High-Performance Computing, Parallel and Distributed Algorithms/Systems, Parallel Languages and Programming Environments, Hybrid Parallel Programming with GPUs and Accelerators, Load Balancing, Scheduling and Resource Management, Resilient/Fault-Tolerant Algorithms and Systems, Emerging Applications such as Biotechnology and Nanotechnology, Cluster, Grid Computing, Heterogeneous Computing, Interconnection Networks and Architectures, Scalable Servers and Systems, Power-Efficient and Reconfigurable Architectures, Compiler Technologies for High-Performance Computing, Peer-to-peer Computing, Web Services and Internet Computing, Utility Computing, Performance Evaluation and Measurement, Distributed Systems and Applications, High-performance Scientific and Engineering Computing, Biological/Molecular Computing, Autonomic, Reliability and Fault-tolerance, Multilingual Computing.

**Information and Network security**

Intrusion Detection and Prevention, Smart Grid Security, Mobile Security, Web Security, Cloud Security, Identity Management Biometrics, Malware Analysis and Prevention, Cyber Forensics, Honey Pot Technologies, Privacy and Privacy preserving Algorithms, Key Management Algorithms, Wireless Network Security.

**Power and Energy**

Electrical machines, power electronics, power systems, control and Testing techniques, Renewable Energy Systems (fuel cells, PV, wind, small hydro etc), Smart Grid, Microgrid, Energy Storage, Wide Area Monitoring, Protocols for Industrial Systems, Energy Efficient Algorithms.

**Software and Database System**

Expert Systems and Decision Support Systems, Data and Information Modeling, Integration, Data Structures and Data Management Algorithms, Database and Information System Architecture and Performance, OLAP, Distributed, Parallel, P2P, and Grid Databases, Hybrid Databases, Information Retrieval, Knowledge Acquisition & Management, Multi-databases and Database Federation, Object Relational and Deductive Databases, Pervasive Data and Information, Semantic Web and Ontologies, Statistical and Scientific Databases, User Interfaces to Databases and Information Systems, Web Services, Operating system.

**Paper Submission Format:** Papers for both oral and poster presentations should conform to the IEEE format and specifications. All submissions must be in English only. Authors are invited to submit full paper (Maximum 6 pages, double-column A4) as PDF using the IEEE templates. Paper will be published in IEEE Xplore Digital Library. The conference proceedings will be published with ISSN/ISBN number by CPS and will be sent for indexing in SCOPUS, Google Scholar, DBLP, CrossRef. Previous 10 IEEE INDICON conferences proceedings are available at <https://ieeexplore.ieee.org/xpl/conhome.jsp?punumber=1002060>.

The IEEE paper template can be downloaded from [http://www.ieee.org/conferences\\_events/conferences/publishing/templates.html](http://www.ieee.org/conferences_events/conferences/publishing/templates.html)

**Easy chair for Paper Submission:** <https://www.easychair.org/conferences/?conf=indicon2014>

**Tourist attractions in Pune**



Khadakwasla Dam



Aga Khan Palace



Shaniwar Wada



Taj Mahal



Gateway of India



Red Fort



Pune University



Chaturshringi Temple



Parvati Temple



Hawa Mahal



Lotus Temple



Kerala Backwaters

**Tourist attractions in India**

