



ICIT 2019

18th International Conference on Information Technology

ICIT 2019

19th-21st December 2019, Bhubaneswar, India

www.oits-icit.org

IEEE CONFERENCE RECORD NO. 48102

Call For Papers

International Conference on Information Technology (ICIT) is a premier international forum for high quality research in the areas of Information Technology. ICIT 2019, the 18th edition of ICIT, is being jointly organized by the **Orissa Information Technology Society (OITS)** (<http://www.oits.org>) and **International Institute of Information Technology (IIIT), Bhubaneswar, India** (<https://www.iiit-bh.ac.in>). ICIT 2019 is technically co-sponsored by IEEE Kolkata and Bhubaneswar Chapter. Researchers, developers, regulators and practitioners from academia, government and industry are invited to present their research findings on assorted topics of IT and its applications. The following seven tracks will be the primary focus of ICIT 2019 but submissions in any area of information technologies are encouraged.

Data Science

- Methods: Data Analytics, Machine Learning, Soft Computing, Pattern Recognition, Artificial Intelligence, Information Science including Multi-Agent Systems and Intelligent Systems, High Performance Computing
- Applications: Mining Spatial and Temporal Data, Metadata, Social Networks, Social Media including blogs and Online Collaborative Environments, Visual Data, Privacy Sensitive Data, and Graph Data; Text Mining, Information Retrieval, Sentiment Analysis, Collaborative Filtering and Ontology, Finance Data and Biomedical Data.

Information Assurance and Information Security

- Multimedia Communications Networks, Wireless Ad hoc/ Sensor/IoT Networks, Mobile and Personal Area Networks, Information Technology Networks, Body Area Networks, Optical Fiber Network, SDN, Peer-to-peer, Content Distribution Networks, Cognitive Radio Networks, 5G Networks, Emergency Communication Networks and DNA Inter Networks.
- Information Security and Privacy, Content Protection, and Digital Rights Management, Watermarking, Steganography, Cryptography, Digital Libraries, Network Security, Computer Security, Cyber Security, Trusted Computing Platform, Trusted Network Computing, Trust in Mobile and Wireless Communications, Risk and Reputation Management, Blockchain.

Biomedical Informatics

- Bioinformatics, Clinical Informatics, Clinical Decision Support, Security and Privacy of Electronic Health Records (EHR), EHR Interoperability, Tools for Visualization, Tools for Genomics and Proteomic Data Analysis.
- Healthcare Technology: Diagnostic and Predictive, Medical Imaging, Assistive Technology.

Sequential, Parallel, Distributed and Cloud Computing

- Design and Analysis of Algorithms, Load Balancing and Partitioning, Multi-cores, Memory Hierarchy, Multiprocessor Synchronization and Debugging, Concurrent Programming, OS Virtualization, Modeling and Simulation, Load Balancing and Partitioning, Compiler Techniques, Cloud Computing, NaaS, PaaS, SaaS, AaaS, IaaS, EaaS Modeling, Performance Analysis and Security Provisioning in Cloud Computing, Fog Computing, Edge Computing, Resource Aware Modeling of Fog and Edge datacenter.

Signal Processing, Image Processing, and Computer Vision

- Ontology and Reasoning, Applications of Semantic - Web and Linked Data, Web Architecture, Social Semantic Web.
- Biometrics, Digital Forensics, Image/Video Processing for Autonomous Vehicles, 3D Image/Video Processing, Action and Event Detection/Recognition, Vision based Human GAIT Analysis, Multimedia Security, Human Computer Interaction, Image/Video Scene Understanding.

Embedded Systems

- IP Core Design, Algorithms for IP Core Protection, Algorithms for Security Aware Behavioral Synthesis, Fault Aware Computing, CAD Algorithms for Smart Devices, Application-Specific Processors and Devices, Networked Embedded Systems, Real-time Systems, Service-Oriented Architectures.

Internet of Thing and Smart Grid

- Power systems, Smart grid, Smart Grid Applications, Grid Computing, Internet of Things, Low Power/ Energy-aware Computing, IT Intervention in Power Distribution System Management, Power System Security Management through Advanced Information Technology Application, Computer-Aided Design (CAD) for Behavioral/High-Level Synthesis and Optimization, High-level Synthesis Algorithms and Methodology.
- Smart City, Smart Education, Smart Village, Smart Healthcare, Smart Agriculture, Digital India.

Paper Submission: Manuscripts offering high quality original and unpublished research, case studies and implementations are solicited. The manuscripts need to be formatted as per IEEE double column conference format. The maximum length of the manuscript should not exceed **6-pages**. All submitted papers will undergo blind-review. Authors need to prevent identity disclosure by: (1) not listing their names and affiliations on the manuscript, (2) not saying "my work" or "our work" in the text while citing self-references, and (3) not writing acknowledgments such that the identity of the authors are implied. Author information should only be included in the submission form. Manuscripts not following the above requirements will be rejected without review. Authors need to submit a single pdf file of their manuscripts at <https://cmt3.research.microsoft.com/ICIT2019>. ICIT 2019 will follow strict no-show policy, i.e., accepted papers are to be registered and presented; otherwise the paper will be removed from the proceedings. Accepted papers will be published in IEEE XPLORE DIGITAL LIBRARY.

Best Paper Awards: Three awards will be conferred with due recommendations from the program committee from the papers presented in the conference. Each award will carry cash prize and citations. One student best paper prize will be awarded from the papers where the students are the leading authors.

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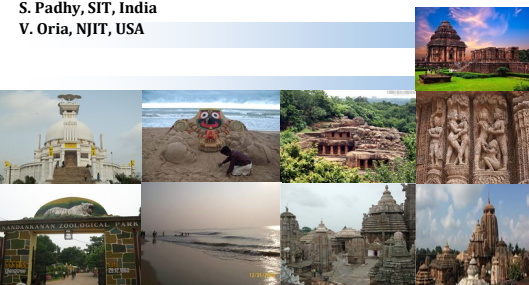
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Important Deadlines (2019)

Paper Submission: Sep 15th (Hard Deadline)

Author Notification: October, 21st

Camera Ready: October, 28th

Registration: October, 28th

Conference: December, 19-21st