

**International Conference on
Computational Intelligence and Data Science
(ICCIDS 2019)
6th-07th September 2019**

PUBLICATION: All the accepted papers will be published in Procedia Computer Science Journal, Elsevier.

ICCIDS2019:

The International Conference on Computational Intelligence and Data Science (ICCIDS2019) provides an International forum for presentation of original research findings, as well as exchange and dissemination of innovative, practical development experiences in different fields of engineering. The conference draws researchers and application developers from a wide range of data mining and computational Intelligence related areas along with their algorithms and applications of current issues of almost all branches of Engineering and Technology.

Awareness of Data Science and its application is becoming popular among the general population. Parallel offers of hope add woes to the researchers of Data Science due to the potential limitations experienced in the real-time. This conference aimed to expand its coverage in the areas of Computational Intelligence and Data Science, where expert talks, young researchers presentations will be placed in every session of the meeting will be inspired and keep up your enthusiasm.

VENUE: The NorthCap University, Gurugram, India

JOURNAL INDEXING: SCOPUS

PUBLICATION POLICIES:

Kindly visit the conference website (<http://iccids2019.ncuindia.edu/Paper-Submission>) for details.

Session Title: Emerging Trends and Possible Integration of AI, Big Data, Cloud Computing, And Blockchain

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AIMS & OBJECTIVE

This special session on Emerging Trends and possible integration of AI, Big Data, Cloud Computing, and Blockchain will focus on the various scope and applications pertaining to the above disruptive technologies. Machines, normally IoT devices are generating more data as ever before. As we all know, Cloud is the central pillar holding such large volumes of data and requires heavy computations. Today every application is moving towards cloud platform, hence data in various unstructured formats like logs, sensors, and various sources requires a common platform for analytics to be performed. Thus, Big Data is the key enabler for cloud applications. To extract meaningful patterns and attributes to drive business logic, AI drives business models generated by Big Data Frameworks by learning patterns, feature extraction, decision support, and cognitive abilities. This leads to better and informed predictions, with behavioral insights. The last key to the puzzle-Blockchain provides the decentralization and autonomy allowing provenance, auditability, and immutability among different data sources, thus facilitating asset exchange among various stakeholders. Integrating Cloud, Big Data, AI and Blockchain will result in building more improved and intelligent transactional ecosystems in a decentralized and autonomous framework, mainly applicable to Industry 4.0. Performance is enhanced as more inflow of data is present, as physical barriers are removed and seamless information exchange is possible.

- Cloud data center architecture and networking
- Distributed storage for cloud and fog/edge computing
- Coding theory for data storage and transmission
- Data storage in current and emerging nonvolatile memories
- Cloud and fog computing for Internet of Things
- Mobile networking and computing for cloud and fog/edge computing
- Virtualization of storage, networking, and computing
- SDN-enabled cloud data centers
- Data analytics for distributed computing and IoT
- Elasticity and scalability of cloud resources
- Cloud management, orchestration, and automation
- Cloud-hosted blockchain infrastructure and services
- Server less computing and FaaS
- Cloud-based storage platforms
- Decentralized storage in cloud and fog/edge computing systems
- Data storage channels and distributed storage networks
- Emerging storage media: MRAM, RRAM, PCM, etc.
- Green Cloud Computing
- Mobile Cloud Computing
- Big data models, theories, algorithms, approaches, solutions
- Machine learning, data mining, web mining, and graph mining
- Big data practices and applications
- Big data retrieval, processing, analysis, and analytics
- Big data architecture, infrastructure, and platforms
- Big data maintenance, management, and operations
- Big data in and for research, sciences, and technologies
- IoT for the developing countries
- IoT big data and predictive analysis
- Internet of Everything and its Applications
- Quality of Service (QoS) and Quality of Experience (QoE) in next-generation networks

- Explainable artificial intelligence
- Interactive visual analytics and interpretation for deep learning
- Health and intelligent health technologies
- Information retrieval and search
- Intelligent assistants for complex tasks
- Interactive machine learning
- Knowledge-based approaches to user interface design and generation
- Modeling and prediction of user behavior
- Multi-modal interfaces (speech, gestures, eye gaze, face, physiological information etc.)
- Natural language and speech processing
- Proactive and agent-based user interaction
- Recommender systems
- Smart environments and tangible computing
- Social media analysis
- User Modelling for Intelligent Interfaces
- Big Data and blockchain technology
- Consensus protocols for blockchains
- Internet of things (IoT) and blockchain technology
- Legal, ethical and societal aspects of (decentralized) virtual currencies
- Measurement studies and methodology
- New applications of blockchain technology