

"International Conference on Cyber Security and Digital Forensics (ICCSDF 2021)"

The NorthCap University, Gurugram, Haryana, India

3rd-4th April 2021 (Virtual Mode)

Kindly Visit Link for details: <https://iccsdf2021.ncuindia.edu/>

Special Session: ICCSDF001

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Our aim is to highlight ongoing research on new and exciting computer paradigms together with their applications in various domains. The new computing paradigms have now invaded and revolutionized every sphere of our life. Computational science is a broad discipline and can be simply referred to the use of computers, networks, storage devices, software, and algorithms to solve problems. The problems can be of various types and categories like: retrieving knowledge, doing simulations, controlling devices, building large databases and many more. Also it can be defined as a means to gain understanding of science principally through the use and analysis of mathematical models on high performance computers. The computational Science can be viewed as the intersection of:

- Computing and networking hardware
- Algorithms, Numerical Analysis, and Mathematics
- Software, Programming, and Databases
- Discipline specific knowledge

There is thin line between Computational science and Computer science. Computational science draws information from the field of Computer science and Mathematics and provides solutions to scientific or engineering problems. Cyber Security utilizes computational science algorithms to secure the computer systems in this Internet era. The session invites research papers to discuss the applications of various computational science technologies and cyber security in real life and how these applications can make the life better.

Full length original and unpublished research papers based on theoretical or experimental contributions related to the below mentioned tracks (but not limited to) are invited for submission in this special session.

Subtopics:

Machine Learning and Data Computing

- Machine Learning, Computer Vision, Data Mining, Deep Learning, Big Data analysis and Management, Data Analytics, Knowledge Representation and Reasoning, Pattern Recognition, Clustering and Classification, Deep Learning, Big Data Networking Technologies, Data warehouse and applications, Graph-based Data Analysis, Intelligent

Control System, Cloud as a Service, Cloud Infrastructure, Cloud Management, Cloud Security, Cloud Applications, Cloud Computing Technologies, Grid Computing, Cluster computing.

Data Communication and Networking

- Ad hoc and wireless sensors network, Cross-layer Solutions, Delay tolerant network, Mobile computing, Internet and web applications, Wireless security system, Intrusion detection systems, RFID systems, Mobile Communication standards, Cognitive radio applications and spectrum management, Interoperability of heterogeneous wireless networks of different standards, IP multimedia subsystems (IMS), Network architectures and protocols, Radio transmission technologies, RFID networks and protocols, Wireless intelligent networks.

Smart devices and Intelligent Control

- Wearable Devices, Pervasive/ubiquitous computing and systems, Nano Devices, Single Electron, Spintronics Devices, CMOS, MEMS, NEMS, Bio-inspired computing, Organic-Devices, Molecular devices, Carbon nano tubes, Graphene, Embedded and real-time software, VLSI and Embedded Systems, FPGA, Quantum Computing, Digital System & Logic Design, Human Machine Interface, Image and Video Processing, Machine Vision, Speech & Natural Language Processing, Quantum Computing, Parallel and Distributed Computing, Medical Imaging, Reconfigurable Computing Systems, Biometrics, Genetic Algorithm, Machine Learning in control applications, Soft Computing, Neural Networks based control systems, Robot Design ,Development & Control, Human Machine interface, Intelligent control & Intelligent system, Mechatronics & Robotics, Industrial Automation, Nanotechnology and Advance Manufacturing, Non conventional and renewable energy sources, Network Security & privacy policies, Computation in emerging computer system, Software development for mobile devices, Information & System Security, Neural Network, Virtual Reality & Web Crawlers, Data management for ubiquitous computing, Visual representation of dynamic social networks, Trust networks and evolution, Misbehavior detection in communities, Multi- agent based social network modeling and analysis.

Advance Research and Innovation and Usage of IoT

- Smart Grids, Smart Agriculture and Farming, Smart Cities, Advance Manufacturing, Smart Textiles, Augmented and Virtual Reality Interactions, 3D Printing, Smart Water, Smart Healthcare, Management of Emergencies, Retail Management, Logistics management, Industrial Management, Digital Health and Telemedicine, IoT programming toolkits and frameworks, Ubiquitous computing, Ambient Intelligence Sensor Networks and Embedded System, IoT protocols and Transports, Security for IoT, Wearable Devices, Smart city theory modeling and simulation, Policies for smart urban design , Socio-technical challenges in smart city development, Enablers and drivers for smart cities, Public private partnership (3P) model for smart city, Energy efficiency for smart cities, Education and skill development, Management and operation of the smart city, Smart people and communities, Capacity building through smart and open governance, Technologies integration and network capabilities, Smart and sustainable transport system, Cloud solutions for smart cities, Role of big data analysis in smart city , Smart and green building technologies, Smart solutions for special needs people, Urban Entrepreneurships and challenges, Smart manufacturing and logistics, Smart environment and pollution control, Platforms for smart government, Anywhere, anytime access to data, Digitalization of civic services, Data and Information infrastructure modeling, Efficient emergency responses, Security and public safety in smart cities, Smart healthcare system, Innovative agriculture process, Future challenges in smart cities👉

PUBLICATION

The conference aims at carrying out double blind review process. The papers submitted by the authors will be assessed on the basis of their technical suitability, scope of work, plagiarism, novelty, clarity, completeness, relevance, significance and research contribution. All accepted papers will be published by Springer, in the book series “Lecture Notes on Data Engineering and Communications Technologies”, Scopus Indexed. <https://www.springer.com/series/15362>.

Paper submission system of easy chair: <https://easychair.org/my/conference?conf=iccsdf2021>

Deadline to Remember

Paper submission date: 30th January 2021

Notification of Acceptance: 20th February 2021

For any other query please visit our conference website <https://iccsdf2021.ncuindia.edu/> or write us back at : iccsdf2021@ncuindia.edu