International Conference on Advances in Computing, Communication and Security (I3CS-2021), 01- 03 July 2021 NIT Kurukshetra

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The theme of the conference is "Embracing Innovations" for the secure Next Generation Computing and Communication Systems. The fast pace of advancing technologies and growing expectations of the next generation means that the researchers must continuously reinvent themselves through new investigations and development of the new products.
Honestly embracing innovations and new ideas can help break down the organizational barriers and bring researchers together across the various disciplines.
The aim of this conference on Advances in Computing, Communication and Security (I3CS-2021*)* is to bring leading academicians, industrialists, government standard organizations, scientists, research scholars, UG/PG students on the same platform to present their work, discuss and accept the innovations for the implementation of secure next generation computing and communication systems.

All the Accepted and Presented Papers will be published in the Procedia Computer Science Journal, Elsevier

(Proposal will be submitted after approval from the Institute)

Conference Tracks

International/National Advisory Committee Members
Dr. Xavier Fernando (Ryerson University, Canada)
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Dr. Harpal Singh Panwar (IRDE DRDO)
Dr. Hemant Singh Ajal (CSIR Chandigarh)
Mr. Rajesh Singh (Scientist VSSC ISRO)
Mr. Hariom Meena (C DoT, India)
Mr. Anuj Solanki (Samsung Electronics India)
Ms. Shruti Sharma (Intel Corporation, USA)

Computing:
- Parallel and Distributed Computing
- Cloud Computing, Fog Computing
- Soft Computing
- Quantum Computing
- Scalable Computing
- Smart Mobile Computing
- Cognitive Computing
- Bio-inspired computing
- Machine Learning and Artificial Intelligence
- Big Data Analysis
- Data Mining
- Algorithms and Complexity
- Architecture and Organization
- Internet of Things, Everything and Nano-Things
- Human-Computer Interaction
- Information Management, Assurance and Security
- Intelligent Devices and Environments
- Embedded Computing with Applications
- Signal Processing
- Image and Video Processing
- Medical Signal Processing
- Speech Recognition
- Game Theory
- Optimization Algorithms

Communication:
- Smart Grid Communication
- Power Line Communications
- 5G & 6G Wireless Communication
- Integrating UAVs into 5G systems
- Internet of Things
- ICT Infrastructure for Smart Cities
- RF Systems for Wireless Applications
- Wireless Ad-hoc and Sensor Networks
- Cooperative Communications
- Massive MIMO systems
- Information Theory and Coding Systems
- Signal and Image processing
- Cognitive Radio and Spectrum Management
- Software Defined Radio & Networks
- Photonics and Optical Communication
- Sensors Technology
- Network Localization and Navigation
- Satellite and Space Communications
- Vehicular, Underground and Underwater Networks
- Telehealth
- Vehicular, Underground and Underwater Networks

Security:
- Physical Layer Security
- Cryptography and Cryptanalysis
- System Security/ Secure OS
- Hardware Security
- Network Security
- Security of cyber-physical systems
- Intrusion Detection
- Web and Cloud Security
- IoT Security
- SDN Security
- Language based security
- Malware and Botnet Detection
- Secret Sharing
- Social network analytics/ Privacy preservation in social networks
- Side Channel Attacks
- Computational intelligence techniques in security
- Security ontology, models, protocols & policies
- Privacy-preserving Security
- Data Security and Privacy
- Industrial applications of security
- Mobile System Security / Android Security
- Biometric Security & Privacy
- Quantum Cryptography
- Smart card security
- Security in cashless transactions
- Block-chain

VLSI Design & Material Science:
- Embedded Systems & Processors
- System-on-Chip
- FPGA
- Physical design
- Hardware-Software Co-design
- Processor architecture
- Stochastic Computing
- Advanced CMOS technologies and architecture
- Low Power IC design
- Testing, reliability and fault tolerance systems
- RF, analog and mixed-signal design
- Digital circuit design for communication and signal processing
- Memory computing
- EDA algorithms and tools
- Nano technology
- Material Characterization
- System modeling and simulation
- Material and energy storage
- Quantum materials
- Quantum spintronic
- Quantum sensors
- Energy materials and Semiconductors
- Bio-medical applications
- Modeling and Simulations of Nano devices

Important Dates
Submission deadline: 15th January 2021
Acceptance: 28th February 2021
Registration: 30th March 2021

Registration Fee
₹ 10,000 for Indian Nationals
USD 250 for Foreign Nationals

NIT Kurukshetra
National Institute of Technology, (Formerly Regional Engineering College, established in 1963) Kurukshetra is one among the foremost institutes of national importance imparting higher technical education in India. This Institute was conferred upon the status of Deemed University on June 26, 2002. Since then, it has been named as National Institute of Technology, Kurukshetra (Deemed University). National Institute of Technology, Kurukshetra is a residential institute well known for its dedicated faculty, staff and state-of-the-art infrastructure. The institute offers B. Tech, M. Tech, MCA, MBA and PhD programmes. The Institute enjoys an excellent placement service for its graduate and post graduate students.