

CALL FOR PAPERS: ICNGIoT-2021

International Conference on Next Generation of Internet of Things



(ICNGIoT-2021)

05-06 February 2021

Organized by

Department of Computer Science & Engineering,

GIET University, Gunupur, India

Website : <http://icngiot.in/>



GIET University

GIET University, Gunupur, Odisha (formerly known as Gandhi Institute of Engineering and Technology) was established by "Vidya Bharati Educational Trust," Gunupur, Odisha, India in the year 1997. Since inception, the Trust promotes Technical Education in India with a motto of providing Quality Education in a highly disciplined and conducive environment with International Standards. Over a period of 22 years, we have grown by leaps and bounds and today our name is identified with quality engineering education in Eastern India. GIET declared as state university on 28th Dec 2018 by Govt. of Odisha as 4th Private University of the state. GIET University is approved by Govt. of Odisha and AICTE, New Delhi. Most of the programs offered under the University are accredited by NBA and also by NAAC with a "A+" grade and CGPA 3.28/4.0.

Department of Computer Science & Engineering

The Department of Computer Science & Engineering (CSE) is a center of excellence providing in-depth technical knowledge and opportunities for innovation and research with up-to-date computing facilities. The Department envisions to be globally recognized as a premier center through excellent teaching and creating professionally competent engineers with moral values committed to building a vibrant nation. Established in the academic year 1997-98 with an annual intake of 40, currently, it has reached to intake strength of 240. The Department has got accredited 4 times by NBA (National Board of Accreditation, AICTE, Delhi). In addition to the strong undergraduate program, the department is also offering Post Graduate (M. Tech) program in Computer Science & Ph.D. programs in Computer Science & Multidisciplinary streams.

ICNGIoT-2021

International Conference on Next Generation of Internet of Things (ICNGIoT-2021) aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Next Generation Internet of Things. The next generation of IoT is characterized by the usage of smart solutions with embedded intelligence at the edge that relies on high connectivity, processing capabilities for edge devices and real-time analysis of information. This evolution is based on the convergence of some key ICT technologies like hyper connectivity and new network architectures, edge computing, artificial intelligence, and block chain.

Call for Paper

You are invited to submit your papers to the conference. After peer review process, accepted papers will be published in the ICNGIoT-2021 Conference Proceedings and presented papers will be submitted to Springer after each paper is thoroughly reviewed and (if any) satisfactorily modified according to the reviewer comments. ICNGIoT-2021 solicits original, high impact research papers on all topics related to the development and adoption of the Internet of Things. Contributors are invited in the following five tracks

TRACK 1: IoT Enabling Technologies

5G Networks and IoT, IoT Security and Trust, IoT and Personal Data Protection, IoT Large Scale Pilots and Portability, IoT Interoperability and Multi-Platform Integration, Software Defined Network (SDN), IoT Protocols and Standards, Ultra-low power IoT Technologies and Embedded Systems Architectures, Design Space Exploration Techniques for IoT Devices and Systems, Heterogeneous Networks, Sensors Data Management, IoT Mining and Analytics, Adaptive Systems and Models at Runtime, Industrial IoT and Factory of Things.

TRACK 2: IoT Applications, Services and Real Implementations

Smart Cities, Smart Public Places, IoT-based Building Automation, Smart Agriculture and Water Management, Smart factories and Industry 4.0, e-Health, Assisted Living and e-Wellness, Automotive, Intelligent Transport, IoT-based Supply Chains, Smart Grid, Energy Management, Cyber-physical systems, Context Awareness, Situation Awareness, Ambient Intelligence.

TRACK 3: IoT Multimedia IoT Societal Impacts

Human Role in the IoT, Social Aspects and Services, Value Chain Analysis and Evolution Aspects, New Human-Device Interactions for IoT, Do-It-Yourself, Social Models and Networks, Green IoT: Sustainable Design and Technologies, Urban Dynamics and crowdsourcing services, Metrics, Measurements, and Evaluation of IoT Sustainability.

TRACK 4: Security and Privacy for Internet of Things

IoT Privacy and Security Concerns, Identification and Authentication Issues, Wireless Sensor Network for IoT Security, Intrusion Detection in IoT, Cryptography, Key Management, Authentication and Authorization for IoT, Physical/MAC/Network Attacks in Internet of Things, Big Data and Information Integrity in IoT, Communication Security in IoT, Security Standards in IoT

TRACK 5: IoT Experimental Results and Deployment Scenarios

Experimental prototypes, Test-Bed and Field Trial Experiences, Multi-Objective IoT System Modeling and Analysis, Energy, Reliability, Robustness, IoT Interconnections Analysis QoS, Scalability, Performance, Interference, IoT Deployment on Agriculture, Retail, Smart Cities, etc. IoT Interconnections among ISPs Analysis—QoS, Scalability, Performance.

Important Dates:

Last Date of Submission of Full Paper: September 15, 2020 October 15, 2020
Notification of Acceptance: December 10, 2020 (Extended)
Submission of Camera Ready Papers: December 30, 2020
Author's Registration Deadline: January 10, 2021

Registration Categories	Indian Delegates (INR)	Foreign Delegates (USD)
Student & Full-time Research Scholars	5000	100
Delegates from Academics/Research	6000	150
Delegates from Industries	8000	200
Co-Authors / Participants (non-authors)	2000	50



Submission Guidelines

Authors are invited to submit full papers in English language only, of not more than 10 pages (including figures, tables & references) in Springer format (templates are given). Submissions should use the general Springer template with the minimum font size of 10 points. All papers must include a title, abstract, keywords, and complete contact information of all authors on the cover page. The corresponding author should be identified clearly. Submissions must present original work that has not been previously published, and is not under submission elsewhere. All articles will be reviewed for technical and scientific quality by the Technical Program Committee (TPC) and external reviewers. Papers must be submitted electronically in PDF format via on-line submission using the Easy Chair system at the following link:

Easy Chair:

<https://easychair.org/conferences/?conf=icngiot2021>

Templates for the submissions can be found at the following links in the different formats:

- **LaTeX2e Proceedings Templates:**
<ftp://ftp.springernature.com/cs-proceeding/llncs/llncs2e.zip>
- **Microsoft Word 2003 Proceedings Templates:**
<https://resource-cms.springernature.com/springercms/rest/v1/content/7117506/data/v1>

Any article, not in format, will be subjected to rejection without any judgement on its quality. The articles should be own work of the authors. If any work is referred from others (or some other work by the author), proper acknowledgement should be given. Plagiarism of any type, if detected, it will lead to rejection of the articles anytime.

Publication

The ICNGIoT-2021 Conference proceedings will be publishing with Lecture Notes in Networks and System (LNNS), Springer ISSN: 2367-3370 with ISBN number.

** Indexing: The books of this series are submitted to ISI Proceedings, EI-Compendex, DBLP, SCOPUS, Google Scholar and Springer link *

Contacts

Dr. Brojo Kishore Mishra, (Mob. +91 -7978216728/+91-9437875808, icngiot@gmail.com/ bkmishra@giet.edu)
Dr. Raghvendra Kumar, (Mob. +91-7804068698, icngiot@gmail.com/ raghvendra@giet.edu)