

The Institution of Electronics & Telecommunication Engineers

#2 Institutional Area, Lodi Road, New Delhi 110003



64th Annual IETE Convention (AIC)

September 24-26, 2021

Theme: *IoT and Block Chain Technology for Smart Cities and Societies*

53rd Bhabha Memorial Lecture

&

44th Ram Lal Wadhwa Award Lecture

Organized by

IETE HQS, New Delhi

&

IETE Kolkata Centre

Website for AIC 2021: www.ietekolkata.in

Venue: *IETE Kolkata Centre (Online Mode)*

Address: *Electronics Complex
Plot No. J1-7, EP-Block, Sector V
Salt Lake, Kolkata 700091*



About IETE

The Institution of Electronics and Telecommunication Engineers (IETE) is India's leading recognized professional society devoted to the advancement of Science and Technology of Electronics, Telecommunication & IT. Founded in 1953, The IETE is the National Apex Professional body of Electronics and Telecommunication, Computer and IT Professionals. It serves more than 125,000 members through various 63 Centers, spread all over India and abroad. The Institution provides leadership in Scientific and Technical areas of direct importance to the national development and economy. The Government of India has recognized IETE as a Scientific and Industrial Research Organization (SIRO) and also notified it as an educational Institution of national eminence. The objectives of IETE focus on advancing electronics technology. The IETE conducts and sponsors technical meetings, conferences, symposia, and exhibitions all over India, publishes technical journals, and provides continuing education/Skill development as well as career advancement opportunities to its members.

Theme: *IoT & BlockChain Technology for Smart Cities and Societies*

A remarkable interest in the Internet of Things (IoT)-based smart cities from both academia and industry has been observed in recent years. Smart cities can offer various smart applications such as intelligent transportation, smart banking, among others, for boosting the life quality of citizens. Security is one of the key challenges of a smart city. One can enable smart cities with a blockchain to offer enhanced security via storing transactions in a secure, transparent, decentralized, and immutable ledger. However, both blockchain and smart cities are in their infancy and significant research efforts are needed to integrate them.

Instructions to Authors:

Prospective authors are requested to submit Full Paper not exceeding 6 pages in A4size (MS-Word format) through ONLINE via www.ietekolconf.in latest by August 10, 2021 as per the Template provided on the said website. Selected Authors will be intimated about the acceptance of papers by September 5, 2021.

Call for papers and participation

In the fast-moving world of ICT, this seminar aims at providing the platform for researchers to share fresh results, call for comments or collaborations, and exchange innovative ideas of the cutting edge research in present and BlockChain Technology for Smart Cities and Societies. You are cordially invited to submit your recent research work to the AIC-2021.



All papers related to the theme of the conference are welcome, some suggested technology areas for social development are:

Secure and consensus distributed security solution for IoT applications, Low Complexity Blockchain-based distributed protocols, Complexity-minimal Consensus and Blockchain-based distributed protocols in IoT, Intelligent Decision Making in AI-enabled BC-IoT, AI-augmented blockchain-enabled IoT, Vulnerabilities in B-IoT deployments, Performance analysis of BC-IoT deployments, Blockchain Specifics: Public, Private, and Consortium/Federated/Permissioned blockchain, HCI in IoT blockchain-aware application development, Blockchain Storage Management, BC-based Identity management in Social IoT, Blockchain-enabled IoT in SDN, Distributed SDN control in BC-IoT, Blockchain-based Industrial IoT, Integration in fog, edge, and cellular networks for IoT communications, Hash-Based Blockchain Architecture for IoT, Quantum Blockchain for Internet of Things, Energy-efficient, low/zero carbon, and green buildings/communities using BC-Social IoT; Green management using BC-IoT, Urban agriculture and forestry, ICT, smart grid, and intelligent infrastructure using BC-IoT; Urban design/planning, regulations, legislation, certification, economics, and policy; BC-IoT Behavior monitoring, analysis, and change within urban communities; BC -IoT enabled eHealth monitoring and improvement; BC-IoT based Nexus issues related to sustainable cities and societies; BC-IoT based decision Support Systems for trade-off and uncertainty analysis for improved management of cities and society; Big data, machine learning, and artificial intelligence applications; Wastewater collection, treatment, and recycling using BC -IoT.

Submission Details:

The papers must be submitted ONLINE using single column format (maximum 10 pages) through Easy Chair link. Standard instructions for writing papers paper is 12 point times new roman with line spacings 1, A4 format. Running headings with 12 bold. First page will contain title and author information. The second page will contain title again and abstract and others contents of the paper. The submitted paper must be complete in all respects and must include results, figures, references etc. Review process will be double blind. PC will reject papers without review if the submission is not in proper format. Plagiarism of any form will lead to outright rejection of the paper.

- At least two independent reviewers will review and approve a paper
- A maximum of 10 papers will be assigned to a single reviewer
- All the review reports to be send to the respective authors

- Easy Chair weighted score to be used for making list of accepted papers.

Full Paper Submission: 10th August 2021

Notification of Acceptance: 5th September 2021

Camera Ready Paper Submission: 15th September 2021

Paper Submission Link:

<https://easychair.org/my/conference?conf=aic20213#>

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Harendranath Pradhan, Hony Sec, IETE, Kolkata Center
Shri Pankaj Kumar Sharma, Secretary General IETE HQS, New Delhi
Prof. Jyotsna Kumar Mandal, Chairman, IETE, Kolkata Center
IETE Kolkata phone: 033-23577054/ 033-23574290

Email: jkm.cse@gmail.com, ietekolkata@gmail.com,
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