

Fourth International Conference

On

Computing, Communications, and Cyber-Security (IC4S-2022)

16 – 17, December, 2022

IEI, Delhi India



Approved from LNNS, Springer

## SPECIAL SESSION ON TECHNOLOGICAL ADVANCEMENTS IN ARTIFICIAL INTELLIGENCE AND BLOCKCHAIN FOR SMART AND SECURE IOT APPLICATIONS (SS06\_TAABI)

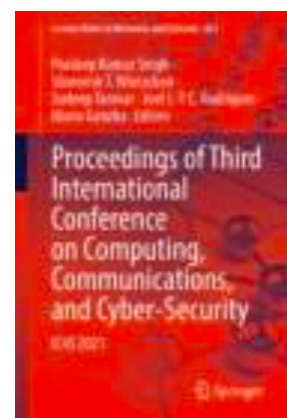
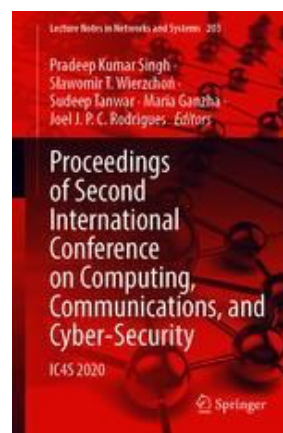
**Invitation to Submit Research Papers in Scopus Indexed**

**4<sup>th</sup> International Conference- IC4S-2022 Scheduled to be held on**

**16<sup>th</sup> -17<sup>th</sup> December, 2022 (Venue: KEC, Ghaziabad)**

**Proceedings of IC4S-2022 will be indexed in DBLP and Scopus indexed Lecture Notes in Networks and Systems (LNNS) of Springer**

**Proceedings of IC4S-2019, IC4S-2020, and IC4S-2021 already published in LNNS Springer Series (SCOPUS Indexed) and available online:**



<https://www.springer.com/gp/book/9789811533686>, <https://www.springer.com/gp/book/9789811607325#aboutBook>,  
<https://link.springer.com/book/10.1007/978-981-19-1142-2>

### Academic Partners



**Paper Submission Deadline: 30<sup>th</sup> October, 2022**

**Paper submission Link:** <https://easychair.org/conferences/?conf=ic4s2022>  
(Through Easy Chair Only)

**Conference Website:** <https://www.ic4s.co.in/ic4s-2022/index.php>

**PUBLICATION: SELECTED PAPERS WILL BE SUBMITTED TO PUBLISHING PARTNER, SPRINGER LNNS SERIES FOR PUBLICATION. SPRINGER LNNS SERIES IS INDEXED WITH SCOPUS AND DBLP.**

## **SESSION CHAIR**

**Dr. A. PRASANTH,**

Assistant Professor,

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Sri Venkateswara College of Engineering, Sriperumbudur, Near Chennai, TamilNadu, India.

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Personal Website: <https://sites.google.com/view/draprasanth/home>

## **AIMS & SCOPE**

Today's world is changing with the adoption of Internet of Things (IoT). IoT is helping in prominently capturing a tremendous amount of data from multiple sources. However, wrapping around the multitude of data coming from countless of IoT devices, makes it complex to collect, process, and analyze the data. Realizing the future and full potential of IoT devices will require an investment in new technologies. The convergence of Artificial Intelligence (AI) for IoT can redefine the way industries, business, and economies functions. While IoT deals with devices interacting using the internet, AI makes the devices learn from their data and experience.

The traditional client-server architecture yields many significant limitations to meet the security demands of IoT, such as relying on the trusted server, incapability for time-sensitive applications, and high data maintenance cost. Blockchains, like Bitcoin and Ethereum, have achieved great success beyond our expectations. Blockchain is a decentralized platform in which each node stores a copy of the whole ledger. The blockchain is perceived as a promising technique for scaling IoT security. Thus, this special session will mainly focus on the challenges of blockchain and AI techniques for IoT.

The special session on Technological Advancements in Artificial Intelligence and Blockchain for Smart and Secure IoT Applications aims to bring together leading academicians, scientists, researchers and scholars to exchange and share their experiences, research results on all aspects of smart and secure IoT environment. Researchers will present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered in AI and Blockchain for IoT. This special session is to encourage and assist the professionals engaged in the above fields to maintain the integrity and competence of the profession, foster a sense of partnership amongst the international professionals.

Full length original and unpublished research papers based on theoretical or experimental contributions related to the below mentioned tracks are invited for submission in this special session:

## **Tracks: (Sub-Themes)**

- AI for IoT-based Wireless sensor networks
- AI and IoT in the Automotive Industry
- Applications of AI and IoT in Smart Home Security
- AI and IoT in Business: Research and Innovation to Market Deployment
- IoT in Monitoring & Improving Manufacturing Processes
- Deep learning and Machine Learning Approaches for disease prediction
- Intelligent Fault Detection and Diagnosis
- Efficient energy management for the IoT in smart cities
- M2M (Machine-To-Machine) Wireless Sensor Systems
- Intelligent Agents and Autonomous Robots in IoT Security
- Supply Chain and Logistics
- Modelling and Simulation for Industrial IoT
- AI for energy efficient cloud operations
- Secure governance and cyber policies
- Blockchain architecture for decentralization in IoT security
- Decentralized consensus for IoT security
- Smart contract for IoT security
- Lightweight decentralized protocols for IoT security
- Blockchain-based security protocol for IoT security

- Blockchain for secure edge and fog computing security
- Blockchain for IoT-enabled critical verticals and sectors (energy, transport, health, etc.)
- Blockchain for Industrial Internet of Things (IIoT) security
- Blockchain for Cyber-Physical Systems (CPS) security

### **PAPER SUBMISSION PROCESS:**

Paper Submission Process:

**Please submit your paper (in word/pdf format) at following emails:**

Email: sstaabi2022@gmail.com with Subject Line “**Research Paper for Special Session SS06\_TAABI - IC4S-2022**” from your email.

You have to also upload the paper through easy chair on the conference website. Details are as follows;

<https://easychair.org/conferences/?conf=ic4s2022>

For any further queries related to this special session, please contact the session chair at:

**Session Chair: Dr. A. PRASANTH**

**Email ID: draprasanthdgl@gmail.com**

**Mobile No.: 9080835896**

### **Important Dates:**

**Submission of Full Papers Deadline**

**30th October, 2022**

**Notification of Acceptance Deadline**

15th November, 2022

**Conference Dates**

16th-17th December, 2022

### **Technical Program Committee (TPC):**

- Dr. Seyed Mohamed Buhari, University Technology Brunei, Brunei Darussalam - BE1410
- Dr. Mariya Ouaisa, Moulay Ismail University, Meknes, Morocco – 50050
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- Dr. S. Vijayprasath, PSNA College of Engineering and Technology, Dindigul- 624622, India

### **Publication Policies:**

1. All registered and presented papers/review articles shall be submitted to SPRINGER for their possible publication in a Conference Proceedings format (online). However the right to accept and subsequent publication of each will be with Springer that will be decided on the basis of the quality novelty of work and the originality of the text, the manuscript will represent.

2. In case, any registered paper/article is rejected by the Springer for its publication with their conference proceeding due to any reason (mentioned at point number-01), the sole responsibility shall lie with authors of that article. As we clearly stated on the first and home pages, that Springer will conduct quality checks on the accepted papers and only papers that pass these checks will be published.

Therefore authors are expected to avoid to use similarity text (copy and paste from other published works), should adhere to original work maintaining technical and result description qualities. Also authors will not allow to make changes in the choice of publication category (I or II) once registered and pay the fee as per category wise.

3. Paper/article length is limited upto 12 pages only. Extra pages are to be avoided, if necessary, author can place a request in advance with payment of separate fee (page-wise) as mentioned in the registration link.

4. Springer proceedings shall be available online only; hard-copy may be requested directly with the SPRINGER on payment as per their rates, once available after online publication.

5. The organizers will have not have any responsibility for any of registered/presented papers, if not accepted/approved by the Springer for publication in their conference proceeding due to any of the reason as specified in point 1 and 2 or because of any specific reason sometimes depends upon manuscript to manuscript too.

### **Silent features of IC4S-2022:**

- **Track-wise “Best Paper Award” along with certificates to all the authors**
- **Online presentation based on specific request separately (if pandemic continues then the IC4S 2022 will be organized in hybrid mode)**
- **Low cost registration amount for the Indian Students (IITs/NITs/Central Universities/Institute of premier repute)**

**NOTE:** While submitting paper in this special session, please specify **[insert special session title and SS06]** at the top (above paper title) of the first page of your paper.