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# ICIDA-2023

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## 2nd International Conference on Innovations in Data Analytics

***Organized by***

**Eminent College of Management and Technology (ECMT), West Bengal, India** in collaboration with International Knowledge Research Foundation (IKRF)

*Technically Sponsored by:*

**Scientific Innovation Research Group (SIRG), Egypt**

**Scientific Research Group in Egypt (SRGE), Egypt**

**SETIT Research Lab.  Sfax University –Tunisia**

**CI2S lab, Buenos Aires, Argentina**

**29th -30th November, 2023 (Hybrid Mode)**

## \*\*\*\*\*\*\*\*\*\*\*\*\*\* CALL FOR PAPERS \*\*\*\*\*\*\*\*\*\*\*\*\*\*

Conference Website: <http://icida.ikrf.in>

**SPECIAL SESSION**

Technological Advancements in Artificial Intelligence and Blockchain for Smart and Secure IoT Applications (TAABSI)

### SESSION ORGANIZERS:

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| **Dr. A. PRASANTH**  **Sri Venkateswara College of Engineering, Sriperumbudur, Tamil Nadu** [**draprasanthdgl@gmail.com**](mailto:draprasanthdgl@gmail.com)  **Contact Number: 9080835896, 9159686372** | **Dr. Rajesh Kumar Dhanaraj**  **Symbiosis International (Deemed University),**  **Pune, India** [**sangeraje@gmail.com**](mailto:sangeraje@gmail.com) | **Dr. S. Balasubramaniam**  **Department of Futures Studies, University of Kerala, Thiruvananthapuram,**  Kerala - 695581, India[baluttn@gmail.com](mailto:baluttn@gmail.com) |

**SESSION DESCRIPTION:**

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.

### RECOMMENDED TOPICS:

Topics to be discussed in this special session include (but are not limited to) the following:

* Emerging Technologies and their Applications
* 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

### PUBLICATION AND SUBMISSION PROCEDURE

The conference aims at carrying out double-blind review process. The papers submitted by the authors will be assessed based on their technical suitability, the scope of work, plagiarism, novelty, clarity, completeness, relevance, significance, and research contribution. The conference proceedings will be published in Springer **Lecture Notes in Networks and System (LNNS) Series**, now indexed by: ISI Proceedings, DBLP. Ulrich's, EI-Compendex, **SCOPUS**, Zentralblatt Math, MetaPress, Springerlink.

Some of the selected high-quality papers of ICIDA 2023 with extended versions will be published in any one of the reputed journals (indexed by SCOPUS, SCIE, ACM Digital Library, DBLP, WOS) from International Publishers.

Paper submission system of easy chair: <https://cmt3.research.microsoft.com/ICIDA2023>

**NOTE: While submitting the paper in this special session, please specify [Technological Advancements in Artificial Intelligence and Blockchain for Smart and Secure IoT Applications (TAABSI)] at the top (above paper title) of the first page of your paper.**

**DEADLINE TO REMEMBER: 30th July 2023**

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