

Fifth International Conference

On

Computing, Communications, and Cyber-Security (IC4S'05)

Dates: 29th February 2024 to 1st March, 2024

Venue: Shri Mata Vaishno Devi University (SMVDU), Katra, India



Approved from LNNS, Springer

## SPECIAL SESSION ON Recent Trends in Communication and Data Analyzing Techniques for IoT (SS\_08\_RTCDI)

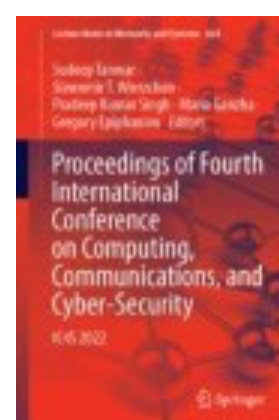
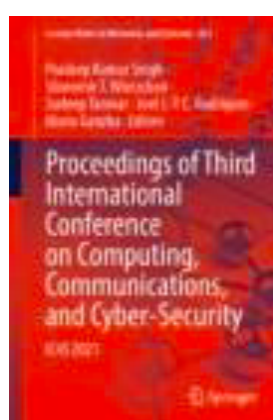
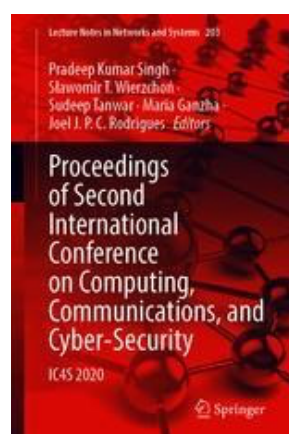
Invitation to Submit Research Papers in Scopus Indexed

5<sup>th</sup> International Conference- IC4S-2024 Scheduled to be held on

29<sup>th</sup> February-01<sup>st</sup> March, 2024 (Venue: SMVDU, Katra, India)

Proceedings of IC4S-2024 will be indexed in DBLP and Scopus indexed Lecture Notes in Networks and Systems (LNNS) of Springer

Proceedings of IC4S-2019, IC4S-2020, IC4S-2021 and IC4S 2022 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>,  
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**Paper Submission Deadline: 29<sup>th</sup> January, 2024**

Paper submission Link: <https://cmt3.research.microsoft.com/IC4S2023>

(Through CMT Only)

**Conference Website:** <https://www.ic4s.co.in/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(s)**

Dr. Rohit Tanwar, Associate Professor, University of Petroleum and Energy Studies, Dehradun, India.

Dr. Urmila Pilania, Associate Professor, Manav Rachna University, Faridabad, India.

#### **AIMS & SCOPE**

Over the past decade, the Internet of Things (IoT) has become one of the most influential technologies in the fields of wireless communications and mobile computing. Originated from RFID and wireless sensor networks (WSNs), the paradigm of IoT has been transforming every aspect of human life including healthcare, energy, transportation, and manufacturing. Recent predictions show that there will be more than 20 billion IoT devices by 2020. Since its very beginning, wireless communication has been focused on serving human-to-human interaction or human accessing information. Due to IoT, the scope of wireless communication becomes ubiquitous communication among all people and all devices, and the major challenge now becomes how to realize large-scale device-to-device (D2D) communication in an intelligent and energy efficient fashion. On the other hand, mobile computing is expected to be more pervasive and resource constrained than any time before. To facilitate IoT, there are tremendous innovation opportunities in different disciplines and perspectives. This session is seeking high-quality research articles as well as reviews about state-of-the-art technologies in wireless communications and mobile computing that contribute to the formation and advancement of IoT. Since power and cost constraints are major factors of IoT development, they will be the main focus of this special issue.

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)**

- Ubiquitous wireless sensor networks for healthcare
- Power-line communication for smart grid and home area networks
- Body area networks with Bluetooth and other low power communication techniques
- Intelligent IoT devices in handling Medical Emergencies
- Emerging techniques in ZigBee and low power Wifi
- Energy efficient networks in IoT systems
- Software-defined radios and cognitive radios for IoT
- Self-organizing network and SoN algorithm in IoT systems
- Energy-constrained wireless sensing techniques
- Compressed sensing for signal with sparse structure in IoT applications
- Low-Power Wide-Area Network (LPWAN) and Long Range Wide Area Network (LoRaWAN)
- 5G technologies and their application in IoT
- Machine Learning for Processing and Analysis of Healthcare data
- Cyber-physical system architecture
- Peer-to-peer device networking
- IoT traffic characterization
- Modeling of large-scale IoT
- Interoperability and integration of emerging standards with existing standards
- Machine learning algorithm for adaptive computing in IoT
- Security and privacy innovation for IoT applications

#### **PAPER SUBMISSION PROCESS:**

Paper Submission Process:

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

Email: [rohit.tanwar.cse@gmail.com](mailto:rohit.tanwar.cse@gmail.com) with Subject Line “**Research Paper for Special Session SS\_08\_RTCDI- IC4S-2022**” from your email.

You have to also upload the paper through easy chair on the conference website. Details are as follows;  
<https://cmt3.research.microsoft.com/IC4S2023>

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

**Session Chair(s): Dr. Rohit Tanwar, Dr. Urmila Pilonia**

**Email ID: [Rohit.tanwar.cse@gmail.com](mailto:Rohit.tanwar.cse@gmail.com), [urmila@mru.edu.in](mailto:urmila@mru.edu.in)**

**Mobile No.: +91-9992257914**

### **Important Dates:**

#### **Submission of Full Papers Deadline**

**29th January, 2024**

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#### **Notification of Acceptance Deadline**

15th February, 2024

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#### **Conference Dates**

29th February 2024 to 1st March, 2024

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

#### **List of Members from India & Abroad (Consented already)**

To be updated soon.

### **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 lies 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 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-2024:**

- **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 2024 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 Number**] at the top (above paper title) of the first page of your paper.