

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 MACHINE LEARNING, DEEP LEARNING AND DATA ANALYTIC APPROACHES IN HEALTHCARE AND IOT (SS07\_DAIoT)

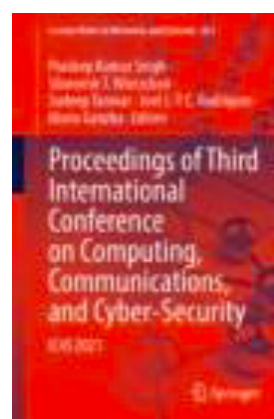
**Invitation to Submit Research Papers in Scopus Indexed**

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

**16<sup>th</sup> -17<sup>st</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**

- 1. Prof. Parita Oza, Assistant Professor, CSE Department,  
Institute of Technology, Nirma University, Ahmedabad, Gujarat, India**
- 2. Dr. Smita Agrawal, Assistant Professor, CSE Department,  
Institute of Technology, Nirma University, Ahmedabad, Gujarat, India**

#### **AIMS & SCOPE**

Last decade has emerged as a smart technological developments era, where we are able to bridge the physical world and the cyber space, which composes the foundation for developing new smart applications. The amount of data travelling across the internet today is not only massive in terms of size but is complex as well. Nowadays, organizations, institutions, railways, airlines, etc. all of them use the stack of data (i.e., big data), which are further used for creating various reports in order to ensure continuity regarding the services that they offer. The increased volume of big data produced within the IoT requires intelligent processing and analysis of this data to support smart and scalable IoT applications. Accordingly, machine learning represents an effective tool to deal with the challenges posed by IoT scenarios. Different machine learning techniques and approaches can be introduced to make the network more intelligent and extract relevant information from the big data. Keeping in mind the need for technological advancements in different enabling domains related to Intelligent Learning, this special issue provides a platform to the research, academia and industrial technocrats to present their ideas and solutions from various perspectives related to use of machine learning, deep learning and data analytic approaches in the healthcare and IoT. This special issue will be devoted to both theoretical and practical evaluations related to the design, analysis and implementation of machine learning techniques and deep learning techniques for healthcare & IoT. Some of the relevant topics include, but are not limited to the following:

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:**

- Machine Learning / Deep Learning for the governance of big data analytics
- Machine learning / Deep Learning approaches for real-time data analytics
- Machine learning and artificial intelligence in intelligent IoT systems
- Machine learning for smart systems (smart buildings, smart cities, smart transportation, smart healthcare)
- Big data analytics/machine learning for IoT security
- Big data analytics/machine learning for edge/fog security
- Intelligent and agent-based algorithms for Edge of Things computing for Smart Cities
- Big Data analytics in mitigating disasters, accidents, environmental pollution, etc. in Smart Cities
- e-Health services and Applications
- Learning and Training Applications
- A Glance into the Future: Innovations, Challenges, and Applications
- Brain-computer interface and IoT
- Semantic web of things
- Evolutionary and bio-inspired algorithm
- Soft computing (e.g., fuzzy logic, rough sets)
- Analytics for multi-dimension data
- Cloud and Edge computing for IoT-eHealth
- Machine Learning / Deep Learning in Healthcare
- Deep Neural Networks for medical image detection, recognition, and segmentation
- Deep Neural Networks for cancer diagnosis

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

Paper Submission Process:

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

Email: [smita.agrawal@nirmauni.ac.in](mailto:smita.agrawal@nirmauni.ac.in) and [parita.prajapati@nirmauni.ac.in](mailto:parita.prajapati@nirmauni.ac.in) with Subject Line “**Research Paper for Special Session SS07\_DAIoT-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: Prof. Parita Oza**

**Email ID:** [parita.prajapati@nirmauni.ac.in](mailto:parita.prajapati@nirmauni.ac.in)

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**Mobile No.:(+91)-9879116611**

**Mobile**

### **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):**

1. Dr. Madhuri Bhavsar, Professor & Head CSE-Dept, Nirma University, Gujarat.
2. Dr. Atul Patel, Professor, Dean and Principal, SCMPICA, Charusat University, Gujarat.
3. Dr. Ajay Parikh, Professor, Gujarat Vidyapith, Ahmedabad, Gujarat.
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6. Dr. Paawan Sharma, Associate Professor at Pandit Deendayal Energy University, Gujarat
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### **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 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 SS07\_DAIoT]** at the top (above paper title) of the first page of your paper.