

Second International Conference
On
Computing, Communications, and Cyber-Security (IC4S-2020)
03-04th October, 2020
IET, DELHI, INDIA

SPECIAL SESSION ON MACHINE LEARNING AND DATA ANALYTIC APPROACHES IN HEALTHCARE AND IOT (SS_MDHI)



Invitation for Research Paper in Scopus Indexed

**Second International Conference- IC4S-2020 Proceedings will be
indexed in DBLP and Scopus**

03rd -04th October, 2020 (Venue: IET, DELHI)

**Proceedings of First International Conference-IC4S-2019 in LNNS Springer
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<https://www.springer.com/gp/book/9789811533686>

Publication in Springer Lecture Notes in Networks and Systems



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Technical Sponsors: SETIT (Tunisia), Southern Federal University (Russia)

Paper Submission Deadline: 30th June, 2020

Paper submission Link: <https://easychair.org/conferences/?conf=ic4s2020>

(Through Easy Chair Only)

Conference Website: <http://ic4s.co.in/ic4s-2020/>

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. 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 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 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:

Track 3 - Data Analytics & Intelligent Learning (SPECIAL SESSION ON MACHINE LEARNING AND DATA ANALYTIC APPROACHES IN HEALTHCARE AND IOT - **SS_MDHI**)

- Machine Learning for governance of big data analytics
- Machine 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
- Cloud and Edge computing for IoT-eHealth
- Machine Learning and Artificial Intelligence in Healthcare
- 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
- Explainable joint semantic segmentation, object detection and scene recognition on biomedical images

PAPER SUBMISSION PROCESS:

Paper Submission Process:

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

Email: smita.agrawal@nirmauni.ac.in with Subject Line “**Research Paper for Special Session SS_16-IC4S-2020**” from your email.

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

<https://easychair.org/conferences/?conf=ic4s2020>

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

Session Chair: Dr. Smita Agrawal

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Mobile No.:(+91)-9879116611

Important Dates:

Submission of Full Papers Deadline	30th June, 2020
Notification of Acceptance Deadline	15th Aug, 2020
Submission of Accepted Camera-Ready Papers Deadline	30th Aug, 2020
Author's Registration Deadline	05th Sept, 2020
Conference Dates	03rd-04th October, 2020

Technical Program Committee (TPC):

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Silent features of conference

- **10% additional discount to all authors of IC4S-2019.**
- **Track-wise “Best Paper Award” along with certificates to all the authors**
- **Attractive Prizes worth Up to 20,000* like the previous versions for Best Papers.**
- **A local tour of the capital of India Delhi is also organized during the conference for all dignitaries.**
- **Skype presentation based on specific request separately**
- **Low cost registration amount for the Indian Students (IITs/NITs/Central Universities/Institute of premier repute)**