



Third International Conference

On

Computing, Communications, and Cyber-Security (IC4S-2021)

30-31 October 2021

Krishna Engineering College, Ghaziabad, UP, India



Approval In Process

SPECIAL SESSION ON MACHINE LEARNING, DEEP LEARNING AND DATA ANALYTIC APPROACHES IN HEALTHCARE AND IOT (SS_19_MDHI)

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Invitation for Research Papers in Scopus Indexed

**3rd International Conference- IC4S-2021 Scheduled to be held on
30th -31st October, 2021 (Venue: KEC, Ghaziabad)**

**Proceedings of IC4S-2021 will be indexed in DBLP and Scopus
Springer Lecture Notes in Networks and Systems (LNNS)**

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



<https://www.springer.com/series/15179>, <https://www.springer.com/gp/book/9789811607325#aboutBook>

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

Paper Submission Deadline: 30th August, 2021

Paper submission Link: <https://easychair.org/conferences/?conf=ic4s2021>

(Through Easy Chair Only)

Conference Website: <http://ic4s.co.in/ic4s-2021/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. Dr. Smita Agrawal, Assistant Professor, CSE Department,
Institute of Technology, Nirma University, Ahmedabad, Gujarat, India
2. Prof. Parita Oza, 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:

- Machine Learning / Deep Learning for 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:

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

Email: smita.agrawal@nirmauni.ac.in and parita.prajapati@nirmauni.ac.in with Subject Line “**Research Paper for Special Session SS_19- IC4S-2021**” 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=ic4s2021>

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

Session Chair: Dr. Smita Agrawal
Email ID: smita.agrawal@nirmauni.ac.in
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Session Chair: Prof. Parita Oza
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Important Dates:

Submission of Full Papers Deadline

30th August, 2021

Notification of Acceptance Deadline

15th October, 2021

Submission of Accepted Camera-Ready Papers Deadline

20th October, 2021

Author's Registration Deadline

20th October, 2021

Conference Dates

30st-31th October, 2021

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, Proessor, Gujarat Vidyapith, Ahmedabad, Gujarat.
4. Dr Rakesh D. Vanzara, Professor & Head , U V Patel College of Engineering , Ganpat University, Gujarat.
5. Dr S D Panchal, Associate Professor at the IT Department of Vishwakarma Engineering College (Government of Gujarat).
6. Dr. Bankim Patel, Professor & Head, SRIMCA, Uka Tarsadia University, Gujarat.
7. Dr. Sanjay Shah, Kadi Sarva Vishwavidyalaya, Gujarat
8. Dr. Darshan Choksi, Department of Computer Science, SP University, Gujarat
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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.

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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.

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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-2021:

- **10% additional discount to all authors of IC4S-2020.**
- **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 (if organized in physical mode).**
- **Skype presentation based on specific request separately (if pandemic continues then the IC4S 2021 will be organized in an online mode)**
- **Low cost registration amount for the Indian Students (IITs/NITs/Central Universities/Institute of premier repute)**