

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 Emerging Trends in Big Data Analytics with Machine Learning and Deep Learning Techniques (SS01_ETMLDL)

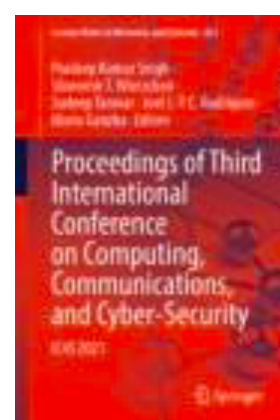
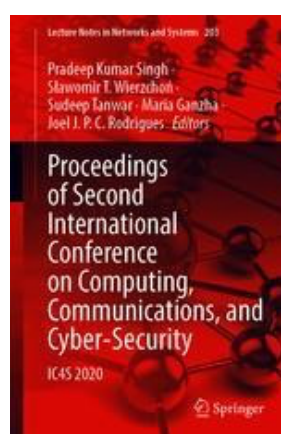
Invitation to Submit Research Papers in Scopus Indexed

4th International Conference- IC4S-2022 Scheduled to be held on

16th -17st 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>

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Paper Submission Deadline: 30th 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

**Dr Jai Prakash Verma, Associate Professor, CSE Department,
*Institute of Technology, Nirma University, Ahmedabad, Gujarat, India***

AIMS & SCOPE

The world has witnessed tremendous growth in big data analytics and also the research on the implementation of machine learning and deep learning models in the field of GeoScience, Text Analytics, Log Streaming, Medical Imaging, Network Traffic Pattern Mining, Intelligent Transportation System, Cloud computing and IoT based applications. Such tremendous growth poses a challenging requirement for future Machine learning and Deep Learning based data analytics applications. The future applications will encompass human-to-machine and machine-to-machine interactions to form real-time complex environments. Thus, the computer aided applications needs to combine features of computational application with Machine Learning and Deep Learning compatibility. Data analytics provides an interdisciplinary framework that is essential to support the current trend for solving the real-world problems collaboratively. A new area of Machine Learning introduced to move machine learning closer to its one of objectives (Artificial Intelligence).

I. Novelty and Motivation

The emerging field of data analytics has led to remarkable empirical results in rich and varied domains like vehicular networks, IoT, Cloud, Security, Text Summarization etc. This workshop will bring together researchers working at the intersection of data mining, machine learning, deep learning, evolutionary computation, optimization and reinforcement learning, and it will help interested researchers outside of the field gain a high-level view about the current state of the art and potential directions for future contributions.

International Conference on Computing, Communication and Cyber Security (IC4S-2019) also deals with various topics pertaining to the above domains and also addresses the various issues and challenges related to storing, processing, gathering, and distribution of data among various stakeholders over data analytics, data mining, machine learning and deep learning etc. Development of such Information systems (IS) matches in line with our proposed session. Accurate and timely data with little or no dependency on systems have become a necessity in today's modern IS which will be addressed by concepts in our proposed special session.

II. Topics of Interest

This special session invites original, technically sound, high-quality research papers proposing novel solutions and addressing the problems related to emerging trends in Data Mining, Data Analytics, Machine Learning, and Deep Learning as well as technical surveys or case studies. Major topics of interest to the conference include, but are not limited to:

- Data Mining in Science, Engineering and Healthcare
- Data Mining in Security
- Big data Technologies, Algorithms and Applications
- Data Analytics for Traffic Monitoring & Management
- Business Intelligence and Data Analytics
- Machine learning framework for vehicular networks
- Deep learning in vehicular networks
- Traffic Flow Prediction
- Vehicle Trajectory Prediction
- Reinforcement learning for Virtual Resource Allocation in Cloud
- Load prediction based Auto Scaling in cloud
- Reinforcement learning for intelligent decision making in vehicular networks
- Content Similarity Analysis
- Content Evolution Analysis
- Contextual Matching
- Congestion Detection in Vehicular Networks
- Big Data Analytics in Vehicular Networks
- Malicious Behavior Detection in Vehicular Networks
- Time series analysis of Traffic flow
- Big data storage, processing, sharing and visualisation
- Network and social-graph analysis

PAPER SUBMISSION PROCESS:

Paper Submission Process:

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

Email: jaiprakash.verma@nirmauni.ac.in with Subject Line “**Research Paper for Special Session SS01_ETMLDL-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: Dr Jai Prakash Verma

Email ID: jaiprakash.verma@nirmauni.ac.in

Mobile No.: 9427621081

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):

List of Members from India & Abroad (Consented already)

1. Dr Madhuri Bhavsar, Professor & Head, CSE Department, Institute of Technology, Nirma University, Ahmedabad.
2. Dr Sanjay Garg, Professor & Dean, Indrashil University, Ahmedabad.
3. Dr Bankim Patel, Professor & Head, SRIMCA, Uka Tarsadia University, Bardoli, Surat, Gujarat.
4. Dr Atul Patel, Professor, Dean and Principal, SCMPICA, Charusat University, Changa, Gujarat.

5. Dr Surendra Singh Choudhary, Sri Balaji College of Engineering & Technology, Jaipur
6. Dr Rachna Jain, Bhagwan Parshuram Institute of Technology, Delhi, India
7. Dr Narayan Joshi, Professor & Head - MCA at Dharmsinh Desai University, Gandhi Nagar, Gujarat, India
8. Dr Dinesh Ganotra, Department of Applied Science, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi 110006
9. Prof. Parth Goel, Head of Computer Science and Engineering, Department, Charusat University, Changa, Gujarat.
10. Dr Jagdish Chandra Patni, UPES University, Dehradun, India

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 be 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 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 reasons 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 SS01_ETMLDL]** at the top (above paper title) of the first page of your paper.