



## **Special Session on emerging trends in Big Data Analytics with Machine Learning and Deep Learning Techniques (SS\_03\_BDA)**

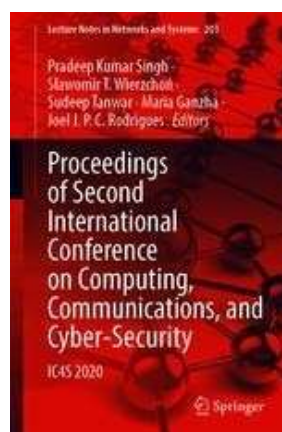


**Invitation for Research Papers in Scopus Indexed**

**3<sup>rd</sup> International Conference- IC4S-2021 Scheduled to be held on  
30<sup>th</sup> -31<sup>st</sup> 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: 30<sup>th</sup> 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**

**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).

## **II. 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.

## **III. 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](mailto:jaiprakash.verma@nirmauni.ac.in) with Subject Line “**Research Paper for Special Session SS\_03\_BDA-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. Jai Prakash Verma**

**Email ID: [jaiprakash.verma@nirmauni.ac.in](mailto:jaiprakash.verma@nirmauni.ac.in)**

**Mobile No.: 9427621081**

#### **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):**

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

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

4. Dr. Surendra Singh Choudhary, Sri Balaji College of Engineering & Technology, Jaipur
5. Dr. Jitendra Bhatiya, Vishwakarma Government Engineering College, Ahmedabad, Gujarat, India
6. Dr. Sanjay Patel , LDRP Institute of Technology & Research, Gandhinagar- Gujarat - 382015.
7. Dr. Rachna Jain, Bharati Vidyapeeth's College of Engineering, A-4, Paschim Vihar, New Rohtak Road, New Delhi-110063
8. Dr Narayan Joshi, Professor & Head - MCA at Dharmsinh Desai University, Gandhi Nagar, Gujarat, India
9. Dr. Dinesh Ganotra, Department of Applied Science, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi 110006
10. Prof. Parth Goel, Head of Computer Science and Engineering, Department, Charusat University, Changa, Gujarat.
11. Dr. Jagdish Chandra Patni, UPES University, Deharadun, 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 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)**