

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

**SPECIAL SESSION ON EMERGING TRENDS IN DATA MINING,
DATA ANALYTICS, MACHINE LEARNING AND DEEP LEARNING
(SS06_ETDM)**

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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
available online:**

<https://www.springer.com/gp/book/9789811533686>

Publication in Springer Lecture Notes in Networks and Systems



<https://www.springer.com/series/15179>

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

AIMS & SCOPE I. Description:

The world has witnessed tremendous growth in 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 with Subject Line “**Research Paper for Special Session SS_XX-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. Jai Prakash Verma

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

Mobile No.: (+91) - 9427621081

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):

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
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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)**