

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

SPECIAL SESSION ON Emerging Trends in Next Generation
Networking and Communication (SS13_NGN)



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. Jitendra Bhatia, *Vishwakarma Government Engineering College, Ahmedabad, Gujarat, India*

AIMS & SCOPE

The evolution of networks is accompanied by new demands for the performance, portability, elasticity and of network functions. The association of network in any field is without a doubt significant. Network management currently undergoes changes towards more flexible network management. Also, the networking standardization bodies are working on integrating novel networking concepts such as Software Defined Networking (SDN), Network Function Virtualization (NFV), Multi-access Edge Computing (MEC) and Network Slicing principles to telecommunication networks, vehicular networks, cloud networks etc.

The networking and distributed computing system is the key infrastructure to provide efficient computational resources for machine learning. Networking itself can also benefit from this promising technologies like SDN, Blockchain and Cloud Computing. Ongoing advances in Mobile Adhoc Systems and Wireless Systems have turned out to be very popular. Considering the era of intelligence we are in, security of systems also have turned into a significant perspective. The emerging innovations like cloud and fog computing can contribute significantly in networking. The advancement and development in networks around us has turned into a significant area of research.

Tracks: (Sub-Themes)

This special session solicit original, technically sound, high-quality research papers proposing novel solutions and addressing the problems related to emerging networking trends in Vehicular Networks, Network Security, Data Analytics and Machine Learning in networking as well as technical surveys or case studies. We invite submissions on a wide range of research topics, spanning both theoretical and systems research. Major topics of interest to the conference include, but are not limited to:

- 5G access networks
- Big data analytics for intelligent routing and caching
- Big data in cloud computing
- Blockchain and its scalable transport mechanisms
- Blockchain, ledger technologies and their applications in networking
- Cognitive Radio and AI-Enabled Networks
- Content Based Networking
- Named Data Networking
- Delay tolerant networks
- Fog computing and its role in Internet of Things
- Future routing mechanisms
- Green Communications Systems and Networks
- Heterogeneous Wireless Networks
- High Speed Networks

- Improvements in future communication infrastructure enable by SDN and NFV including RAN, evolution to 5G, public, private and hybrid clouds
- Information/Content centric networks (ICN)
- Machine Learning and AI in Networking
- Data Mining/ Machine Learning based framework for healthcare
- Machine Learning and big data to manage virtualized networks
- Network data analytics, anomaly detection, and feature extraction
- Network security protocols
- Orchestration of distributed cloud and network resources in vertical markets
- Overlay and peer-to-peer networks
- Performance evaluation and models of virtualized environments
- Protective and collaborative networking: dynamic threat anticipation and mitigation, dynamic attack mitigation practices, Inter-DDoS Service Provider (DPS) collaboration
- Protocols for ultra-low latency and ultra-high reliability
- Scalability and multi-tenancy in 5G networks and 5G network slicing
- Software driven networks (SDN) in mobile and wireless networks
- Security issues in VANETs
- Traffic analysis and engineering
- Big data driven vehicular networks
- Blockchain technology driven vehicular networks
- Vehicular Traffic Pattern Mining
- Data Analytics for Traffic Monitoring & Management
- Ubiquitous Networks
- Vehicular ad hoc networks: Ideas, methodologies, challenges and trends

PAPER SUBMISSION PROCESS:

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

Email: jitendrabbhatia@gmail.com with Subject Line “Research Paper for Special Session SS13_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 Jitendra Bhatia

Email ID: jitendrabbhatia@gmail.com

Mobile No: +91-7575026489,

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)**

- Dr. Madhuri Bhavsar, Professor & Head CSE-Dept, Nirma University
- Dr. Manish Chaturvedi, IITRAM, Ahmedabad
- Dr. Tejas Vasavda, GEC-Morbi college
- Dr. Nilesh Patel, Jaypee University, Guna Bhopal
- Dr. Navin Kumar, IIIT-Vadodara
- Dr. Jai Prakash Verma, Nirma University
- Dr. Uttam Chauhan, Vishwakarma Engineering College
- Dr. Chirag Patel, Parul University
- Dr. Sharnil Pandya, Symbiosis University
- Dr. Shilpa Gite, Symbiosis University

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 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)**