

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

**SPECIAL SESSION ON EMERGING TRENDS IN WIRELESS  
COMMUNICATIONS FOR THE INTERNET OF THINGS  
(SS10\_WCIOT)**

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**Invitation for Research Paper in Scopus Indexed**

**Second International Conference- IC4S-2020 Proceedings will be  
indexed in DBLP and Scopus**

**03<sup>rd</sup> -04<sup>th</sup> 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: 30<sup>th</sup> 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.R.K.Saini, Asst.Professor, School of Computing, DIT University, Dehradun (Uttarakhand)

### **AIMS & SCOPE**

Over the past decade, the Internet of Things (IoT) has become one of the most influential technologies in the fields of wireless communications and mobile computing. Originated from RFID and wireless sensor networks (WSNs), the paradigm of IoT has been transforming every aspect of human life including healthcare, energy, transportation, and manufacturing. Recent predictions show that there will be more than 20 billion IoT devices by 2020. Since its very beginning, wireless communication has been focused on serving human-to-human interaction or human accessing information. Due to IoT, the scope of wireless communication becomes ubiquitous communication among all people and all devices, and the major challenge now becomes how to realize large-scale device-to-device (D2D) communication in an intelligent and energy efficient fashion. On the other hand, mobile computing is expected to be more pervasive and resource constrained than any time before. To facilitate IoT, there are tremendous innovation opportunities in different disciplines and perspectives. This session is seeking high-quality research articles as well as reviews about state-of-the-art technologies in wireless communications and mobile computing that contribute to the formation and advancement of IoT. Since power and cost constraints are major factors of IoT development, they will be the main focus of this special issue.

Full length original and unpublished research papers based on theoretical or experimental contributions related to the below mentioned tracks are invited for submission in this special session:

### **Tracks: (Sub-Themes)**

1. Power-line communication for smart grid and home area networks
2. Body area networks with Bluetooth and other low power communication techniques
3. Emerging techniques in ZigBee and low power Wifi
4. Energy efficient networks in IoT systems
5. Energy-constrained wireless sensing techniques
6. Compressed sensing for signal with sparse structure in IoT applications
7. 5G technologies and their application in IoT
8. Biosignal processing with mobile computing
9. Cyber-physical system architecture
10. Energy efficiency in wireless sensor networks
11. Cross layer design in WSNs
12. Machine learning algorithm for adaptive computing in IoT
13. Security and privacy innovation for IoT applications
14. Genetic Algorithms and Fuzzy Set Theory for Communication system
15. Underwater-Sensor Networks
16. Wireless Communication in Health care Services

### **PAPER SUBMISSION PROCESS:**

Paper Submission Process:

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

Email: rakeshcool2008@gmail.com with Subject Line “**Research Paper for Special Session SS\_10- 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.R.K.Saini**

**Email ID:** rakeshcool2008@gmail.com

**Mobile No.:** 9456294074

**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. Sandip Vijay, Director, Shivalik College of Engineering, Dehradun (Uttarakhand).
2. Dr.Naveen Pandey, Assistant Professor, Department of Computer Science, Dev Sanskriti Vishwavidyalaya, Haridwar (Uttarakhand).
3. Dr. Rajeev Kumar, Associate professor, College of Computing Sciences and Information Technology, Teerthankar Mahaveer University, Moradabad(U.P).
4. Mr. Naveen Kumar, Assistant Professor, Department of Computer Science & Engineering, DIT University, Dehradun(Uttarakhand).
5. Mr.Sanjay Tyagi, Assistant Professor, Department of Computer Science & Engineering, Tulas Institute, Dehradun (Uttarakhand).

**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)**