Third International Conference

On

Computing, Communications, and Cyber-Security (IC4S-2021)

30-31 October 2021

Krishna Engineering College, Ghaziabad, UP, India

Springer
Approval In Process

SPECIAL SESSION ON RECENT TRENDS IN COMMUNICATION AND DATA ANALYZING TECHNIQUES FOR IOT (SS_05_RTCDI)
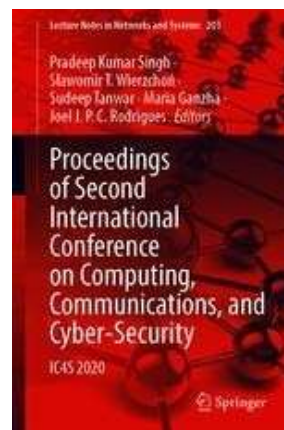
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Invitation for Research Papers in Scopus Indexed

3rd International Conference- IC4S-2021 Scheduled to be held on

30th -31st 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: 30th 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(S)
Dr. Rohit Tanwar, Assistant Professor, UPES Dehradun, Email: rohit.tanwar.cse@gmail.com
Dr. Mrinal Goswami, Assistant Professor, UPES Dehradun, Email: mgoswami@ddn.upes.ac.in

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.

Tracks:
- Ubiquitous wireless sensor networks for healthcare
- Power-line communication for smart grid and home area networks
- Body area networks with Bluetooth and other low power communication techniques
- Intelligent IoT devices in handling Medical Emergencies
- Emerging techniques in ZigBee and low power Wifi
- Energy efficient networks in IoT systems
- Software-defined radios and cognitive radios for IoT
- Self-organizing network and SoN algorithm in IoT systems
- Energy-constrained wireless sensing techniques
- Compressed sensing for signal with sparse structure in IoT applications
- Low-Power Wide-Area Network (LPWAN) and Long Range Wide Area Network (LoRaWAN)
- 5G technologies and their application in IoT
- Machine Learning for Processing and Analysis of Healthcare data
- Cyber-physical system architecture
- Peer-to-peer device networking
- IoT traffic characterization
- Modeling of large-scale IoT
- Interoperability and integration of emerging standards with existing standards
- Machine learning algorithm for adaptive computing in IoT
- Security and privacy innovation for IoT applications

PAPER SUBMISSION PROCESS:
Please submit your paper (in word/pdf format) at following emails:
Email: **rohit.tanwar.cse@gmail.com** with Subject Line "**Research Paper for Special Session SS_05_RTCDI - 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. Rohit Tanwar
Email ID: rohit.tanwar.cse@gmail.com

Mobile No.: +91-9992257914

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):

1. Dr. Prashant Kumar, Dr. B.R. Ambedakar National Institute of Technology, Jalandhar, India.
2. Dr. Malay Kumar, IIIT Dharwad, India.
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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 lies 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 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)**