Fourth International Conference

On

Computing, Communications, and Cyber-Security (IC4S-2022)

16 – 17, December, 2022

IEI, Delhi India

Springer

Approved from LNNS, Springer

SPECIAL SESSION ON Cyber and AI Perspective for Connected Wearables and Big Data Analytics for Healthcare Applications (SS09_CAIWBHA)
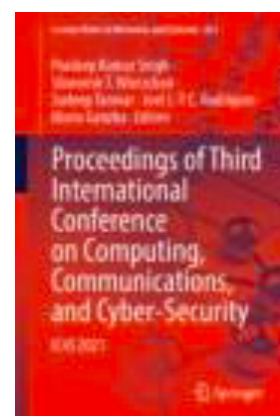
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Invitation to Submit Research Papers in Scopus Indexed

4rd International Conference- IC4S-2022 Scheduled to be held on

16th -17st December, 2022 (Venue: KEC, Ghaziabad)

Proceedings of IC4S-2022 will be indexed in DBLP and Scopus indexed Lecture Notes in Networks and Systems (LNNS) of Springer

Proceedings of IC4S-2019, IC4S-2020, and IC4S-2021 already published in LNNS Springer Series (SCOPUS Indexed) and available online:

https://www.springer.com/gp/book/9789811533686, https://www.springer.com/gp/book/9789811607325#aboutBook, https://link.springer.com/book/10.1007/978-981-19-1142-2

Academic Partners

Paper Submission Deadline: 30th October, 2022
Paper submission Link: https://easychair.org/conferences/?conf=ic4s2022
(Through Easy Chair Only)

Conference Website: https://www.ic4s.co.in/ic4s-2022/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 Gaurav Gupta, Associate Professor, Yogananda School of Artificial Intelligence Computers and Data Science, Shoolini University, Solan, Himachal Pradesh, INDIA, 173229

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AIMS & SCOPE
Researchers working in cyber security, big data, medical imaging and healthcare rely on the expertise of clinicians who play a significant role in understanding complex medical data for diagnosis of diseases. Automation of diagnosis procedures for various healthcare problems may help in improving patient care and overall healthcare. Recently, advanced machine learning methods have shown promising results in biomedical and healthcare applications. Therefore, there is a need to explore novel learning methods, optimization and inference techniques for processing biomedical and healthcare data to get performance closer to clinical diagnosis. Advances in machine learning can be used to develop sophisticated and novel applications in the field of biomedical and healthcare domains. This will attract healthcare practitioners who have access to interesting sources of data but lack the expertise in using machine learning techniques effectively. Special attention will be devoted to handling feature selection, class imbalance, model robustness, scalability, distributed and heterogeneous data sources, and data fusion in biomedical and healthcare applications.

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) write your identified Sub Titles here
- Resource-constrained deep learning for wearable IoT
- Context-aware pervasive wearable health systems based on edge machine learning
- Machine learning and Data Analytics for sensing, analysis, and interpretation in IoT healthcare
- AI driven health & fitness devices, systems, and services
- Wearable devices with custom hardware for medical deep learning
- Neuromorphic AI and cognitive computing in smart health
- Data storage, retrieval and transfer between wearable devices, gateways, and cloud backend
- Body centric wireless communication issues (propagation & transmission), including Ultra wideband, millimeter wave and Tehra-hertz propagation
- Wearable and implantable wireless sensors challenges
- Small scale/nano communication
- Security and privacy issues for wireless healthcare data
- Knowledge graphs and knowledge representation for smart health and IoT
- Connected Wearables for Assisted Living

PAPER SUBMISSION PROCESS:
Paper Submission Process:

Please submit your paper (in word/pdf format) at following emails:
Email: solan.gaurav@gmail.com with Subject Line "**Research Paper for Special Session SS_01- IC4S-2022**" 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 Gaurav Gupta
Email ID: solan.gaurav@gmail.com
Mobile No.: 9817452559

Important Dates:

Submission of Full Papers Deadline	30th October, 2022
Notification of Acceptance Deadline	15th November, 2022
Conference Dates	16th-17th December, 2022

Technical Program Committee (TPC):
List of Members from India & Abroad (Consented already)
Add at least 10 TPC members with their name, college, and country in number form.

Sr. No	Name	Affiliation
1	Dr. Varun Jaiswal	Gachon University, Republic of Korea
2	Er. Ankit Gupta	Interactive Technologies Institute (ITI/LARSyS) and M-ITI, 9020-105 Funchal, Portugal
3	Dr. Manoj Gaur	Changigarh University
4	Er. Babita Verma	Baddi University, Solan
5	Er. Anu	Rayat Bhara University, Solan
6	Er. Preety Baglat	University della Svizzera Italiana, Swizerland
7	Er. Raisa Saboori	Rana University, Afghanistan
8	Er. Syed Rameem Zahra	NIT, Srinagar
9	Dr. Pankaj Jain	JJT University, Rajasthan
10	Ms. Sonali Bhasin	Nokia Siemens Networks, Banglore

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.
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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-2022:

- **Track-wise "Best Paper Award" along with certificates to all the authors**
- **Online presentation based on specific request separately (if pandemic continues then the IC4S 2022 will be organized in hybrid mode)**
- **Low cost registration amount for the Indian Students (IITs/NITs/Central Universities/Institute of premier repute)**

NOTE: While submitting paper in this special session, please specify **[Cyber and AI Perspective for Connected Wearables and Big Data Analytics for Healthcare Applications (SS09_CAIWBHA)]** at the top (above paper title) of the first page of your paper.