Fourth International Conference

On

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

16 - 17, December, 2022

IEI, Delhi India

Springer

Approved from LNNS, Springer

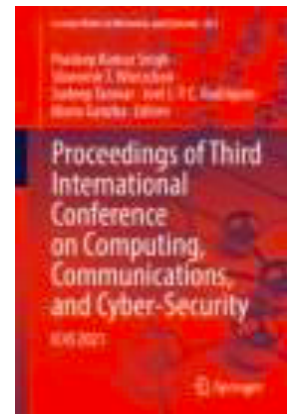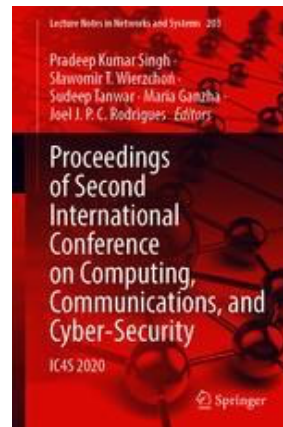# SPECIAL SESSION ON MACHINE LEARNING AND DEEP LEARNING APPLIED TO COMPLEX PROBLEMS IN COMPUTER SCIENCE (SS03_ML&DL)

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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. Rachna Jain
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Bhagwan Parshuram Institute of Technology, New Delhi, India
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AIMS & SCOPE

Over the last decades there has been an increasing interest in using machine learning and in the last few years, deep learning methods, combined with other vision techniques to create autonomous systems that solve vision problems in different fields. This special session is designed to serve researchers and developers to publish original, innovative and state-of-the art algorithms and architectures for real time applications in the areas of computer vision, image processing, biometrics, virtual and augmented reality, neural networks, intelligent interfaces and biomimetic object-vision recognition.

This special session provides a platform for academics, developers, and industry-related researchers belonging to the vast communities of *Neural Networks*, *Computational Intelligence*, *Machine Learning*, *Deep Learning*, *Biometrics*, *Vision systems*, and *Robotics *, to discuss, share experience and explore traditional and new areas of the computer vision, machine and deep learning combined to solve a range of problems. The objective of the workshop is to integrate the growing international community of researchers working on the application of Machine Learning and Deep Learning Methods in Vision and Robotics to a fruitful discussion on the evolution and the benefits of this technology to the society.

RECOMMENDED TOPICS:

Topics to be discussed in this special session include (but are not limited to) the following:

- Healthcare and medical diagnosis
- Social network modeling
- Financial risk assessment
- Marketing and E-commerce
- Multimedia data mining
- Visual surveillance
- Application Systems for Big Visual Data Understanding
- Education data mining
- Location big data mining
- Intelligent transportation system
- Web mining
- Text mining
- Sentiment analysis for social media
- Network security
- Smart cities
- Smart government
- Smart and cyber-physical devices
- Self-adaptation, self-organization and self-supervised learning
- Robust computer vision algorithms (operation under variable conditions, object tracking, behavior analysis and learning, scene segmentation,)
- Convolutional Neural Networks CNN
- Recurrent Neural Networks RNN
- Deep Reinforcement Learning DRL
- Hardware implementation and algorithms acceleration (GPUs, FPGA,s,.)

- Computational Intelligence methods
- Machine Learning methods

PAPER SUBMISSION PROCESS:
Paper Submission Process:
Please submit your paper (in word/pdf format) at following emails:
Email: rachnajain@bpitindia.com with Subject Line "**Research Paper for Special Session SS03_ML&DL-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=ic4s2022
For any further queries related to this special session, please contact the session chair at:
Session Chair: Dr. Rachna Jain
Email ID: rachnajain@bpitindia.com
Mobile No.: 9873793940
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)
1. Prof. Sanjay Madria, Professor, Missouri University of Science and Technology, USA
2. Dr. Anand Paul, Kyungpook National University, South Korea
3. Dr. Morteza Yazdani, Universidad Loyola Andalucia
4. Dr. Vikram Bali, JSS Academy of Technical Education, Noida.
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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 **[insert special session title and SS03_ML&DL]** at the top (above paper title) of the first page of your paper.