



Third International Conference

On

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

30-31 October 2021

Krishna Engineering College, Ghaziabad, UP, India



Approval In Process

SPECIAL SESSION ON IMAGE PROCESSING COMPUTER VISION AND MACHINE LEARNING (SS_04_CVML)



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

Dr.V.R.S.MANI Associate Professor, Department of ECE, National Engineering College, Kovilpatti-628503, Tamil Nadu, India.

AIMS & SCOPE

Images have always played an important role in human life since vision is probably human beings' most important sense. As a consequence, the field of image processing has numerous applications (medical, military, etc.). Nowadays and more than ever, images are everywhere and it is very easy for everyone to generate a huge amount of images, thanks to the advances in digital technologies. With such a profusion of images, traditional image processing techniques have to cope with more complex problems and have to face their adaptability according to human vision. With vision being complex, machine learning has emerged as a key component of intelligent computer vision programs when adaptation is needed (e.g., face recognition). With the advent of image datasets and benchmarks, machine learning and image processing have recently received a lot of attention. An innovative integration of machine learning in image processing is very likely to have a great benefit to the field, which will contribute to a better understanding of complex images. The number of image processing algorithms that incorporate some learning components is expected to increase, as adaptation is needed. However, an increase in adaptation is often linked to an increase in complexity, and one has to efficiently control any machine learning technique to properly adapt it to image processing problems. Indeed, processing huge amounts of images means being able to process huge quantities of data often of high dimensions, which is problematic for most machine learning techniques. Therefore, an interaction with the image data and with image priors is necessary to drive model selection strategies

So main focus of this special session is to address the research issues related to engineering and technology aspects of image processing and computer vision. It includes coverage of the following aspects of machine vision applications: algorithms, architectures, VLSI implementations, AI techniques and expert systems for machine vision, front-END sensing, multidimensional and multisensor machine vision, real-time techniques, image databases, virtual reality and visualization. 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

- Computer Vision and Image understanding
- All traditional areas of pattern analysis and recognition
- Areas of machine intelligence.
- Machine learning, search techniques, document and handwriting analysis
- Medical Image analysis
- Video and Image sequence analysis,
- Content-based retrieval of Image and Video,
- Face and Gesture recognition
- Relevant specialized Hardware and/or Software architectures

PAPER SUBMISSION PROCESS:

Please submit your paper (in word/pdf format) at following emails: Email: vrsmece@nec.edu.in with Subject Line “**Research Paper for Special Session on Image Processing Computer Vision and Machine Learning SS_04- IC4S-2020**” 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. V. .S. MANI

Email ID: vrsmece@nec.edu.in

Mobile No.: 6380103370

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 Priestly Shan Boaz Dean Academic Affairs at Chandigarh University, Senior Member IEEE. India
2. Dr.S.Sankaralingam Principal Sri Vidya College of Engineering and Technology Senior Member IEEE. India.
3. Dr.P. Marichamy Professor, P.S.R.Engineering College, Sivakasi, India
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8. Dr. Suthendran kannan. Head Of Information Technology at Kalasalingam Academy of Research and Higher Education, Srivilliputhur. India
9. Dr.K.Mohaideen Pitchai, Associate Professor, National Engineering College, India.
10. Dr.S Vimal, Associate Professor, Ramco Institute of Technology, 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.

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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-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)**