



**2020 International Conference
on
Computer Science, Engineering and Applications
(ICCSEA 2020)**

IEEE Conference Record #49143

(March 13 – 14, 2020)

**Organized by
Department of Computer Science & Engineering
GIET University, Gunupur-765022, India**

IEEE
KOLKATA SECTION



Special Session Title:

Advances in Computer Vision and Signal Processing (ACVSP)

Organized by :

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Call for Papers

Computer Vision and Signal Processing has been a major research domain for a long time. Multimedia plays a key role in the digital era for all industries which indeed involve in the industrial revolution 4.0. Signal Processing with additional feature of security aspect through computer vision which also a key issues in the research. Visualization is also a vital component to help people understand large scale of data sets in this digitalized world. The Special session on Advances in Computer Vision and Signal processing aims to bridge between academic researchers and industrial companies to present the latest discoveries and accomplishments in the field of computer vision and Signal processing. The goal is to identify and integrate the new algorithms, systems and tool kits for advancing Computer vision and Signal Processing techniques.

Topics of interest include, but are not limited to:

This special session will focus on the following subjects of interest, as well as related issues:

- **Image and Video Processing and Analysis:** Image restoration and enhancement, Image and video segmentation, Mathematical morphology, Color, texture and motion analysis, 3D image analysis, Tracking, Shape and matching, Real time imaging,
- **Image and Video Coding:** Still image and video coding, Image and video encryption,
- **Image Retrieval and Indexing:** Image and video databases, Image and video retrieval and indexing,
- **Pattern Recognition Methods:** Feature extraction and selection methods, Classification and Clustering techniques, Ensembles and multiclassifiers, Hybrid methods, Syntactical methods. **Applications:** Biomedical Imaging, Biometrics, Document Processing, Remote Sensing, Multimedia, Security Systems, Visual Inspection, Sports, Other applications.
Digital Watermarking and Finger Printing, Steganography and Steganalysis, Visual Cryptography, Video Surveillance, Multimedia Source Device Identification, Near Copy Detection, Multimedia Forensics, Counter Forensics. Acquisition and Representation of

Multimedia Signals, Audio and Video Quality Assessment, Audio Signal Processing, BioInspired Multimedia Signal Processing, Compressed Sensing, Signal Processing in Encrypted Domain, Biometrics, Feature Extraction from Multimedia, Data hiding in Multimedia, Robust/perceptual Hashing for Multimedia identification, Multimedia Analysis, Secure Multimedia Design ,but are not the limited.

Brief bio of SS Organizers

Prof. Saikumar Tara, Working Associate Professor, Dept of ECE CMR Technical Campus, Hyderabad and Secretary IEEE Education Society, IEEE Hyderabad Section. He is a reviewer for IEEE Transaction for Fuzzy System (TFS) and IEEE Transaction on Emerging Topics in Computational Intelligence(TETCI)and also editor for few journals in Scopus indexed. He is an Active Senior Member of IEEE, ACM,CSI,IEL,ISTE and many more. He has more than 50+paper in International Conferences and Journals.

Potential Reviewers (Names, Affiliation and Emails)

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