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Call for Papers

Special Session: Special Session on Computational Imaging and Vision (CIV)
Session Chair: Dr. Manish Khare, DA-IICT, Gandhinagar, Gujarat, India
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Details of Proposed Session

Due to recent development in visual big data and advancements in high performance computing systems, there has been increasing interest in computational imaging and vision research areas. Computational approaches provide effective ways to tackle high complexity (e.g., dimensionality and correlation structure) of visual big data. This special session is designed to serve researchers and developers to publish original, innovative and state-of-the-art computational algorithms, architectures and applications in the area of imaging, vision and related areas.

This special session presents original research and technological development for addressing real and complex issues related to society and technology.

A research area for this special session includes but not limited to:

1. Deep Learning
2. Statistical Learning
3. Extreme Learning Machines
4. Neural Networks
5. Genetic Algorithms and Evolutionary Computing
6. Optimization Methods Biometrics
7. 3D Scene Reconstruction
8. Face and Gesture Recognition
9. Action Recognition
10. Motion and Tracking

11. Video Analytics
12. Vision for Web Applications
13. Anomaly Behavior Detection/Recognition
14. Intelligent Surveillance Systems
15. Document Analysis and Recognition
16. Speech Analysis and Recognition
17. Image Retrieval