



CALL FOR PAPERS

Special Session on “Computer Vision for Multimedia Security and Forensics”

Session Chair(s):

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Theme of Session:

Multimedia Security involves representatives like information hiding, steganography, digital watermarking, Cryptography, Hashing, and Signal forensics. Technological advancements in multiple disciplines of computer vision are associated with it. **Multimedia Forensics** based on Computer Vision has gained rapid scientific attention in the last few decades, fuelled by a large number of research articles and commercial applications/systems based on set of features, extracted from audio/image/video analysis. It has its footstep in multiple areas. All pertinent works have in common that some form of host signal is involved in the realization of security and privacy goals. Consequently, researchers from computer vision, as well as from forensic science community have gained significant attention, with goals ranging from crime scene analysis, forensic nursing, financial fraud detection, perjury, corporate security, social networking applications and surveillance in public places.

Multimedia security is a key requirement in the IoT world we live today. Smart forensics with a multifaceted approach is the need of the hour. Investigating agencies require sophisticated techniques and tools to examine multimedia data while maintaining the document chain of evidence. The goal of this special session is to bring together researchers, practitioners and experts working in the area of Multimedia security and digital forensics to discuss the challenges



School being faced in the new computing paradigm; to address a wide range of theoretical and practical issues related to real-life forensic cases by sharing novel ideas; identify most promising new strategies, techniques to ensure multimedia data integrity and authenticity; To leverage best practises for the benefit of forensic community.

Topics of Interest:

We invite original (un-published) research contributions based on the above mentioned theme including following topics **but not limited to**:

Biometrics, Forensics, Authentication
Contextual multimedia verification
Computer Forensics
Cyber Security
Cyber Crime Investigations
Cloud Security
Database Security
Digital imageforgery
Document forgery
Document Analysis and Processing
Deep Learning in Computer Vision for multimedia Forensics
Deepfakes
Digital vs Physical Document Security
Forensic Healthcare
Forensics on IoT
Hashing for Multimedia Identification
Image Forensics and security
Image Reconstruction and Image Inpainting
Multimedia information security
Multimedia authentication and encryption
Multimedia Steganography and steganalysis
Multimedia forensics and counter-forensics
Multimedia Content Authentication
Multimedia Watermarking and fingerprinting
Multimedia Provenance
Multimedia Source Device Identification
Optical document security
Semantic Analysis of Image/Video
Social Media Forensics
Security and Privacy Management of Multimedia Big Data in Cloud Computing
Security and Privacy of Multimedia Big Data in Sensor Networks

Security and Privacy of Multimedia Data in Mobile Devices

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Departments of

Computer Science and Engineering & Computer Science and Technology



School of Visual Analytics for Forensics and Security Applications, JSSSTU, JSSS Road, Kudlu Gate, Bengaluru - 560 068, Karnataka, India.

Visual Cryptography
Visual Information Hiding: Designs and Attacks
Video Forensics and security

Paper Submission Process:

Please submit your paper (in word/pdf format) at

email: hrchennamma@jssstuniv.in

with 'Name of Special Session: ' mentioned in the subject line.

Program Committee: Name(s), Affiliation(s)

For any further queries related to this special session, please contact the session chairs at:

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