

UGC Sponsored
NATIONAL CONFERENCE ON IMAGE PROCESSING (NCIMP 2010)
12th & 13th February, 2010

Organized by
Department of Computer Science & Applications
THE GANDHIGRAM RURAL INSTITUTE – DEEMED UNIVERSITY
Gandhigram – 624 302, Tamil Nadu

Programme Schedule

Date & Time	Programme	
12.02.2010 08.30 – 09.30 A.M.	Registration Venue : Silver Jubilee Hall	
09.30 – 10.30 A.M.	Inaugural Function Venue : Silver Jubilee Hall	
10.30 – 11.30 A.M.	Invited Lecture Venue : Silver Jubilee Hall	
11.30 – 11.45 A.M.	Tea Break	
	Session I	
	Track A Venue : M.Sc.-IT Block Dept. of Computer Science & Applications	Track B Venue : Seminar Hall, CEDT, Computer Centre
	Remote Sensing and Steganography	Cryptosystems
	Chair person	Chair person
	Dr.N.D. Mani, Professor, Dept. of Rural Development, Gandhigram Rural Institute (DU), Gandhigram.	Dr.M.R. Kaimal Professor & Chairman, Dept of Computer Science & Engineering, Amirtha Vishva Vidyapeetham University, Kollam, Kerala.
11.45 – 12.00 A.M.	Detection of Spatio-Temporal Variation in Land use / Land cover using IRS IC Satellite Imageries - N.D.Mani and A.Rajeswari	An Image Encryption Approach using Bit-reversal Method - H. T. Panduranga and S. K. Naveen Kumar
12.00 – 12.15 A.M.	Assessment of Changes in Forest Area in Sirumalai, Dindigul District - N.D.Mani	E-documents Encryption Using Visual Cryptography Based on XNOR Operation - Thomas Monoth and Babu Anto P

12.15 – 12.30 A.M.	A New Approach: Data Hiding and Security of Multimedia Content using Steganography - Sudipta Kr Ghosal, Arnab Nath, Saswati Mukherjee and Arunasish Achariya	A Verifiable Extended Visual Cryptography Scheme - Priyanka Kennedy and V. Balasubramanian
12.30 – 12.45 A.M.	A New Data Hiding Application Tool on ASP.NET Framework using Steganography - Sudipta Kr Ghosal, Arnab Nath, Saswati Mukherjee and Arunasish Achariya	A Novel Secured Hybrid Architecture Model for Image Cryptosystem - S.Prasanna Ganesan
01.00 – 02.00 P.M.	Lunch	
	Session II	
	Watermarking	Image Enhancement and Restoration
	Chair person	Chair person
	Dr.G. Gopinath Professor & Head, Dept. of Computer Science, Bharathidasan University, Trichy.	Dr.P.Shanmugavadivu Assistant Professor, Dept. of Computer Science & Applications, GRI., Gandhigram.
02.00 – 02.15 P.M.	An Efficient Approach of Watermarking to Protect Multimedia Content - Arnab Nath, Sudipta Kr Ghosal, Arunasish Achariya and Saswati Mukherjee	Image Enhancement using Weighted Sub Range Histogram Equalization - P.Babu and V. Rajamani
02.15 – 02.30 P.M.	Watermarking Technologies - T.G.BABU	A Morphological Image Enhancement System Using Non-Linear Piecewise Filter P.Thangavel and S.Gopinathan
02.30 – 02.45 P.M.	Robust Digital Watermark Embedding for Image Authentication - M.Arul Mary and K.S.Ayesha Beevi	Classified Brightness Preserving Bi-Histogram Equalization for Contrast Enhancement - P.Shanmugavadivu and K.Balasubramanian
02.45 – 03.00 P.M.	Enhanced Image Watermarking using Multistage Vector Quantization - P.Padmakumari, S.Hemamalini and M.Martinaa	Ridgelets and Curvelets in Image Denoising for Digital Mammographic Images - K. Sujatha Krishnamoorthy , V. Christy Sumitha, K.Thulasi Nachiyar
03.00 – 03.15 P.M.	Watermarking by Converting the Color Image to Gray and Back: Using Color Embedding Textured Gray Images - R. Then Malar, R. Ramesh Babu and S.Varuna Devi	Multi Segmented Window Based Adaptive Median Filter for Fixed Value Impulse Noise - P. Shanmugavadivu, S. Kiruthika, Ashish Kumar and T. Partheeban

03.15 – 03.30 P.M.	Fully Adaptive Watermarking Solutions Using Generalized Principle Component Analysis (GPCA) Techniques - A.J. Ajal and G. Akilandeswary	Image Enhancement Using Direction Contrast for JPEG Images - P.Shanmugavadivu and S.P.Gayathri
03.30 – 03.45 P.M.	Tea Break	
	Session III	
	Image Segmentation	Image Compression
	Chair person	Chair person
	Dr.G. Gopinath Professor & Head, Dept. of Computer Science, Bharathidasan University, Trichy.	Dr.I. Kaspar Raj System Programmer / System Analyst, Computer Centre, G.R.I., Gandhigram.
03.45 – 04.00 P.M.	Unsemantical Based Texture Segmentation Using DWF - K.S. Ayesha Beevi and M. Arul Mary	Simple and Fast Ordered Codebook for Vector Quantization - K.Somasundaram and S.Vimala
04.00 – 04.15 P.M.	A Survey of Methods of Fingerprint Image Segmentation - S.Subhashini	Design of Small Codebook for Vector Quantization Method for Still Image Compression - K. Somasundaram and P.A.Kalaividya
04.15 – 04.30 P.M.	Brightness Varying Normalized Cut Based Image Segmentation - P.Shanmugavadivu and A.Shanthasheela	Analysis of Image compression technique for medical images - J. Radhika and M.B.C. AshaVani
04.30 – 04.45 P.M.	A New Approach using Image Processing Technique for Highway Applications - S.Kannan, I.Kasparraj, Pradeep Kumar, R.S.Bharadwaj, and Naqvi	Compression of Facial Images using Object Based SPIHT - K.Somasundaram and N.Palaniappan
04.45 – 05.00 P.M.	Predicate Controlled Region Growing for Image Segmentation - P.Shanmugavadivu and A.Shanthasheela	Enhanced Adaptive Pattern Based Vector Quantization Algorithm for Compressing Images - K. Somasundaram and M.Mary Shanthi Rani
05.00 – 05.15 P.M.	A Novel Color Image Segmentation Algorithm Applying 2D Histogram Clustering on Directional Filter Bank Features - S. Vasuki, G. Veera Senthil Kumar and L. Ganesan	A Fast and Efficient Memory Image Codec Based on Curvelet Transform with SPIHT - P.Thangavel and PL.Chithra

05.15 – 05.30 P.M.	---	Design of Reduced Range Codevector for Vector Quantization Method for Still Image Compression - K.Somasundaram and S.Manohar
13.02.2010 - Second Day		
	Session IV	
	Medical Imaging	Pattern Recognition
	Chair person	Chair person
	Dr.K. Somasundaram Professor and Head, Dept. of Computer Science & Applications, GRI., Gandhigram.	Dr.P. Balasubramanian Professor & Head, Dept. of Mathematics, GRI., Gandhigram.
09.30 – 09.45 A.M.	A novel method for Brain MRI Super-resolution by Wavelet-based POCS and Adaptive Edge Zoom - N. Hema Rajini and R. Bhavani	Hand Grip Recognizer System - S.R.Vijayalakshmi
09.45 – 10.00 A.M.	A Method for Filling Holes in Objects of Medical Images Using Region Labeling and Run Length Encoding Schemes - K. Somasundaram and T.Kalaiselvi	Requirements of Automated Image Analysis - J.Srinivasan
10.00 – 10.15 A.M.	Boundary Detection in Ultrasonic Artery image using Dual Dynamic Programming - V. Savithri and S.Purushothaman	Handwritten Character Recognition using Slant Removal Method - S.Rajakumar, V.Subbiah Bharathi and R.Subraja
10.15 – 10.30 A.M.	Review of Automatic detection of Exudates and Optic Disc from non-dilated Diabetic Retinopathy Retinal Image - M.Tencilen, V.Vedanarayanan and C.D.Suriyakala	Centroid Based Feature Extraction for Handwritten Tamil Character Recognition - S .Sobhana Mari and G. Raju
10.30 – 10.45 A.M.	Segmentation of Computerised Tomography Brain Images using Genetic Algorithms - T. Senthil selvi and R.Malathi	Character Recognition Using Multiple Back Propagation Algorithm - Binu P Chacko, V.R.Vimal Krishnan, and P.Babu Anto

10.45 – 11.00 A.M.	Skull Stripping of MRI Using Clustering and 2D Region Growing Method - K.Somasundaram and R.Siva Shankar	Theoretical Analysis of Devanagari Hand-printed Words - A Recognition Perspective - Satish Kumar
11.00 – 11.15 A.M.	Tea Break	
	Session V	
	Medical Imaging	General
	Chair person	Chair person
	Dr.G. Arumugam Professor, Dept. of Computer Science, M.K. University, Madurai.	Dr.R. Krishnamoorthy Professor & Head, Dept. of IT., Anna University, Trichy.
11.15 – 11.30 A.M.	Automatic Detection of Brain Tumor from MRI scans using Maxima Transform - K. Somasundaram and T. Kalaiselvi	Reconstruction of Orientation Field from Fingerprint Minutiae to Improve Minutiae Matching Accuracy - T.Kumaresan and B.Rajalakshmi
11.30 – 11.45 A.M.	A Novel Method for Segmentation of the Hippocampus - K. Somasundaram and S. Vijayalakshmi	Application of Image Analysis for the Determination of Drapes - R.I. Sathya and V.Subramaniam
11.45 – 12.00 A.M.	Automatic Skull Stripping of Magnetic Resonance Images (MRI) of Human Head Scans Using Image Contour - K. Somasundaram and P.Kalavathi	Texture-Based Image Retrieval based on Multistage Sub-Image Matching - S.Janarthanam, V.Thiagarasu and K.Somasundaram
12.00 – 12.15 A.M.	Multimodality Medical Image Fusion Techniques with Quantitative Analysis - S.Rajkumar and S.Kavitha	Web Information Mining Algorithm – A Survey R.LalithaKumari
12.15 – 12.30 A.M.	Retinal Images Edge Detection and Histogram Processing - R.Priya and P.Aruna	An Analytical Study of Human Interaction with Computers: From Read and Type to Explore and Chat - T.Ramaprabha and M.Mohamed Sathik
12.30 – 12.45 A.M.	Robust EPR Data Hiding in Medical Images using CDCS, Energy Thresholding and Multilayered Security - Suresh N. Mali, Pradeep M.Patil and Rajesh M. Jalnekar	An Analytical Study of Virtual Environments: From Desktop VE to Non Immersive and Immersive VE - K.Merrilliance and M.Mohamed Sathik
12.45 – 01.45 P.M.	Lunch	

	Session VI	
	General	Wavelets & Cryptosystems
	Chair person	Chair person
	Dr.G. Arumugam Professor, Dept. of Computer Science, M.K. University, Madurai.	Dr.R. Krishnamoorthy Professor & Head, Dept. of IT., Anna University, Trichy.
01.45 – 02.00 P.M.	Techniques of Stereo Photography and Stereo Fractals - S. Rathinagiri	Wavelet Based Image Denoising with Optimal Thresholding - B.N.Aravind and K.V.Suresh
02.00 – 02.15 P.M.	Non Chronological Video Synopsis - Abraham Mathew and R.Radha Krishnan	Performance Enhancement of wavelet Based Compression Technique Using Lifting Technique - M.Asha Paul and A.Suruliandi
02.15 – 02.30 P.M.	Spatial Map Handling and Retrieval in Mobile Environments - M. Ramalingam, P. Narendran and K.Somasundaram	An Efficient Public-key Image Crypto-system - R. Ganesan and K. Vivekanandan
02.30 – 02.45 P.M.	Tea Break	
02.45 – 03.00 P.M.	Valedictory Function Venue: Silver Jubilee Hall	