

ICSIPA 2011 - HOTEL MAYA KUALA LUMPUR

Day 1

8.00-9.00	Registration		
9.00-9.15	Welcoming Remarks		
9.20-10.20	Plenary I Prof. Ayoub Al-Hamadi		
10.20-10.40	Morning Tea {Room 1}		
	Room 2	Room 3	Room 4
10.40-11.00	Signal Processing 1	Scene and Event Recognition 1	3D Stereoscopic
11.00-11.20			
11.20-11.40			
11.40-12.00			
12.00-12.20			
12.20-12.40			
12.40-2.00	Lunch		
	Room 2	Room 3	Room 4
2.00-2.20	Classification	Pattern Recognition 1	Filtering 1
2.20-2.40			
2.40-3.00			
3.00-3.20			
3.20-3.40	Afternoon Tea {Room 1}		
	Room 2	Room 3	Room 4
3.40-4.00	Scene and Event Recognition 2	Pattern Recognition 2	Filtering 2
4.00-4.20			
4.20-4.40			
4.40-5.00			

Day 2

9.00-9.10	Intro + Information on Banquet		
9.10-10.10	Plenary II Prof. Rick Blum		
10.10-10.30	Morning Tea {Room 1}		
	Room 2	Room 3	Room 4
10.30-10.50	Segmentation 1	Object Tracking	Signal Processing 2
10.50-11.10			
11.10-11.30			
11.30-11.50			
11.50-12.10			
12.10-12.30			
12.30-2.00	Lunch		
	Room 2	Room 3	Room 4
2.00-2.20	Scene and Event Recognition 3	Video Analysis	Enhancement
2.20-2.40			
2.40-3.00			
3.00-3.20			
3.20-3.40	Afternoon Tea {Room 1}		
	Room 2	Room 3	Room 4
3.40-4.00	Segmentation 2	General Image Processing 1	Signal Processing 3
4.00-4.20			
4.20-4.40			
4.40-5.00			
7.30-10.30	Banquet at Saloma Bistro		

Day 3

9.00-10.00	Technical Talk (National Instrument)		
10.00-10.30	Morning Tea {Room 1}		
	Room 2	Room 3	Room 4
10.30-10.50	Storage	Coding and Compression	Feature Extraction
10.50-11.10			
11.10-11.30			
11.30-11.50			
11.50-12.10			
12.10-2.20	Lunch		
	Room 2	Room 3	Room 4
2.20-2.40	Signal and Image Processing Algorithms	Communication	General Image Processing 2
2.40-3.00			
3.00-3.20			
3.20-3.40			
4.00-4.30	Afternoon Tea {Room 1}		

Day 1 - Wednesday 16th November 2011

Time	ROOM 2 Signal Processing 1 Chair Prof. John Gauch	
	Paper ID	Paper Title
10.45-11.05	1569463861	Magnetic Imaging of Ferromagnetic Shape with Mobile Hall Sensor Array System
11.05-11.25	1569464409	Forward and Backward Automatic Censoring Binary Integration Detectors Using Weber-Haykin Thresholding
11.25-11.45	1569467767	Appropriate Twinkling Frequency and Inter-sources Distance Selection in SSVEP-based HCI Systems
11.45-12.05	1569473827	Pulse Active Ratio (PAR):A New Feature Extraction Technique for ECG Biometric Authentication
12.05-12.25	1569474197	Simulation of the Twinkling Artifact in Color Flow Doppler Sonography: A Phase Noise Hypothesis Validation
12.25-12.45	1569474693	Power Quality Analysis Using Frequency Domain Smooth-Windowed Wigner-Ville Distribution

Time	ROOM 3 Scene and Event Recognition 1 Chair Prof. Marco Winzker	
	Paper ID	Paper Title
10.45-11.05	1569474621	Child Face Detection Using Age Specific Luminance Invariant Geometric Descriptor
11.05-11.25	1569467135	A Color Based Approach for Eye Blink Detection in Image Sequences
11.25-11.45	1569467819	On Output-Processing in Face Detectors
11.45-12.05	1569455149	Multi-Color ULBP with Wavelet Transform in Invariant Pose Face Recognition
12.05-12.25	1569467605	Automatic Inspection System for Billet
12.25-12.45	1569464367	Morphological Drowsy Detection

Time	ROOM 4 3D Stereoscopic Chair Dr. Syed Abd Rahman	
	Paper ID	Paper Title
10.45-11.05	1569465879	Biologically Inspired 3D Trajectory Prediction System Using a Moth Flight-to-Light Tracking Model
11.05-11.25	1569406311	3D Volume Representation of Brain Tumor Using Image Processing
11.25-11.45	1569467597	Depth Estimation Using Monocular Vision System for Mobile Robots
11.45-12.05	1569467857	High Dynamic Range Stereo Video Using SIFT and Simultaneous Multi-Exposure
12.05-12.25	1569474553	Markerless Real-Time Garment Retexturing From Monocular 3D Reconstruction
12.25-12.45	1569474581	Further Reduced Resolution Depth Coding for Stereoscopic 3D Video

Time	ROOM 2 Classification Chair Dr. Maciej Smiatacz	
	Paper ID	Paper Title
2.00-2.20	1569467417	Performance of the Fuzzy VI-CFAR Detector in Non-homogeneous Environments
2.20-2.40	1569474955	Orthogonal Least Square and Optimized Support Vector Machine with Polynomial Kernel for Classifying Asphyxiated Infant Cry
2.40-3.00	1569473619	Classification Gel Electrophoretic Image of DNA Fusarium Graminearum Featuring Support Vector Machine
3.00-3.20	1569474739	Shape Distributions on Voxel Surfaces for 3D Object Classification From Depth Images

Time	ROOM 3 Pattern Recognition 1 Chair Dr. Ze-Nian Li	
	Paper ID	Paper Title
2.00-2.20	1569477879	Pattern Recognition for Insect Behavior by Wrapper Approach to Subset Selection of Wavelet-Multifractal Attributes
2.20-2.40	1569452073	A Texture Based Analysis and Classification Method for Mammogram Images Using Fos
2.40-3.00	1569465725	A New Preselection Method for Face Recognition in JPEG Domain Based on Face Segmentation
3.00-3.20	1569465975	CORI: A Configurable Object Recognition Infrastructure

Time	ROOM 4 Filtering 1 Chair Dr. Vijanth S. Asirvadam	
	Paper ID	Paper Title
2.00-2.20	1569472517	Cubature Kalman Filter with Risk Sensitive Cost Function
2.20-2.40	1569474549	Mismatched Filters for Doppler-Sensitive Active Sonar Pulses
2.40-3.00	1569475481	A New Method for Detection of Copy-Move Forgery in Digital Images
3.00-3.20	1569474735	Adaptive Filtering for Noisy and Mismatched Conditions in Speaker Recognition

Time	ROOM 2 Scene and Event Recognition 2 Chair Prof. Faouzi Soltani	
	Paper ID	Paper Title
3.40-4.00	1569468943	Hand Gesture Based User Interface for Computer Using a Camera and Projector
4.00-4.20	1569473985	Selecting and Evaluating Data for Training a Pedestrian Detector for Crowded Conditions
4.20-4.40	1569474373	A New Head Pose Estimating Algorithm Based on a Novel Feature Space for Driver Assistant Systems
4.40-5.00	1569467241	Face Pose Estimation Using Distance Transform and Normalized Cross-Correlation

Time	ROOM 3 Pattern Recognition 2 Chair Dr. Matthew Day	
	Paper ID	Paper Title
3.40-4.00	1569466639	Discriminant Tchebichef Based Moment Features for Face Recognition
4.00-4.20	1569467459	A Framework for Training and Testing of Complex Pattern Recognition Systems
4.20-4.40	1569467715	3D Hand Posture Recognition Using MultiCam
4.40-5.00	1569467763	An Efficient Method for Finger-Knuckle-Print Recognition Based on Information Fusion

Time	ROOM 4 Filtering 2 Chair Dr. R. Logeswaran	
	Paper ID	Paper Title
3.40-4.00	1569459605	Impulse Noise Removal Using Fuzzy Logic and Alpha Trimmed Mean
4.00-4.20	1569476883	A Subspace-Based Technique for Image Noise Reduction
4.20-4.40	1569467909	A Novel Position and Shape Adaptive Initialization of Region-Based Active Contours in Noisy Images
4.40-5.00	1569474747	Fusion of Gabor Filter and Morphological Operators for the Detection of Settlement Zones in Google Earth Satellite Images

Day 2 - Thursday 17th November 2011

Time	ROOM 2 Segmentation 1 Chair Prof. John Gauch	
	Paper ID	Paper Title
10.45-11.05	1569474433	Coping with Hand-Hand Overlapping in Bimanual Movements
11.05-11.25	1569426279	A Method in Applying OCR in Processing of Thermal Images
11.25-11.45	1569467573	Segmentation of Brain Lesions in Diffusion-weighted MRI Using Thresholding Technique
11.45-12.05	1569467675	Detection of Moving Objects Using Fuzzy Correlogram Based Background Subtraction
12.05-12.25	1569467757	A Fuzzy Measure for Objective Evaluation of Interactive Image Segmentation Algorithms
12.25-12.45	1569473933	Adaptive Spatio-Color Clustering Based on the Connectedness in a Chrominance-Luminance Space

Time	ROOM 3 Object Tracking Chair Prof. Ayoub Al-Hamadi	
	Paper ID	Paper Title
10.45-11.05	1569467681	Vehicle Detection and Tracking with Affine Motion Segmentation in Stereo Video
11.05-11.25	1569467765	Feature Points Tracking Adaptive to Saturation
11.25-11.45	1569472365	Real-Time Robot-Human Interaction by Tracking Hand Movement & Orientation Based on Morphology
11.45-12.05	1569474475	Object Tracking in a Multi Camera Environment
12.05-12.25	1569474795	Automatic Color Space Switching for Robust Tracking
12.25-12.45	1569465963	Markerless Tracking for Mobile Augmented Reality

Time	ROOM 4 Signal Processing 2 Chair Dr. Toufik Laroussi	
	Paper ID	Paper Title
10.45-11.05	1569466737	Evaluation and Comparison of Integer-Order Approximations for Fractional Integrators for Application to FRACTIONAL-ORDER CHUA SYSTEMS
11.05-11.25	1569474419	Improvement of Carrier Capacity for Scalable Scrambling Method with Reversible Information Insertion Functionality
11.25-11.45	1569458959	Constellation Analysis of PSK Signals Using Cross Time-Frequency Distribution
11.45-12.05	1569471565	A Novel Simple Algorithm to Enhance the Peak to Average Ratio of MC-CDMA System
12.05-12.25	1569472595	Performance Comparison of SNR Estimators in Gaussian Mixture Noise
12.25-12.45	1569477473	Noise Reduction Algorithm for Full-waveform Lidar Signal

Time	ROOM 2 Scene and Event Recognition 3 Chair Syed Khaleel Ahmed	
	Paper ID	Paper Title
2.00-2.20	1569475389	Driver Drowsiness Detection Using Face Expression Recognition
2.20-2.40	1569475427	Max-Pooling Convolutional Neural Networks for Vision-based Hand Gesture Recognition
2.40-3.00	1569467119	A Semi Supervised Learning-Based Method for Adaptive Shadow Detection
3.00-3.20	1569468227	Type2 Fuzzy Set Based Automatic Shadow Region Segmentation in Intra Vascular Ultrasound Images

Time	ROOM 3 Video Analysis Chair Prof. Marco Winzker	
	Paper ID	Paper Title
2.00-2.20	1569467689	Impact of Different Walking Surfaces on Gait Identification Based on Higher-Order Statistics of Accelerometer Data
2.20-2.40	1569467569	Off-Time Swimming Pool Surveillance Using Thermal Imaging System
2.40-3.00	1569474095	Video-based Face Recognition Using Exemplar-Driven Bayesian Network Classifier
3.00-3.20	1569475393	Hand Pose Identification From Monocular Image for Sign Language Recognition

Time	ROOM 4 Enhancement Chair Dr. Norliza Mohd Noor	
	Paper ID	Paper Title
2.00-2.20	1569473367	A New Filter Bank Algorithm for Enhancement of Early Signs of Ischemic Stroke in Brain CT Images
2.20-2.40	1569474447	Low Contrast Hand Vein Image Enhancement
2.40-3.00	1569474523	Singular Value Decomposition Based Fusion for Super-Resolution Image Reconstruction
3.00-3.20	1569469197	A New Technique to Reproduce High Dynamic Range Images for Low Dynamic Range Display

Time	ROOM 2 Segmentation 2 Chair Dr. Maged Marghany	
	Paper ID	Paper Title
3.40-4.00	1569473971	Segmentation and Characterization of Masses in Breast Ultrasound Images Using Active Contour
4.00-4.20	1569474165	A Supervised Method for Retinal Blood Vessel Segmentation Using Line Strength, Multiscale Gabor and Morphological Features
4.20-4.40	1569474531	A Novel Fuzzy Metric for Objective Evaluation of Interactive Image Segmentation Algorithms Based on Correlation
4.40-5.00	1569467277	A Contrario Edge Detection with Edgelets

Time	ROOM 3 General Image Processing 1 Chair Prof. Saif alZahir	
	Paper ID	Paper Title
3.40-4.00	1569462623	FPGA-based Image Combiner for Parallel Rendering
4.00-4.20	1569467115	A Study of Different Unwarping Methods for Omnidirectional Imaging
4.20-4.40	1569473473	Greyscale Image Magnification Using Edge-Directed Lagrange Time Delay Interpolation Model
4.40-5.00	1569474235	On Aligning Shapes

Time	ROOM 4 Signal Processing 3 Chair Dr. Pragya Varshney	
	Paper ID	Paper Title
3.40-4.00	1569474707	Real-Time Implementation of UWB-OFDM Synthetic Aperture Radar Imaging
4.00-4.20	1569474733	A New Method for Extraction of Fetal Electrocardiogram Signal Based on Adaptive Nero-Fuzzy Inference System
4.20-4.40	1569475193	Warped Linear Predictive Speech Coding
4.40-5.00	1569475445	A New Method for Language Recognition Based on Improved GMM

Day 3 - Friday 18th November 2011

Time	ROOM 2 Storage Chair Dr. Mohammad Faizal Ahmad Fauzi	
	Paper ID	Paper Title
10.30-10.50	1569465311	An Enhanced Shape Descriptor Based on Radial Distances
10.50-11.10	1569465817	A Novel Approach for Retrieval of Medical Images in Bit Plane Domain
11.10-11.30	1569467587	Multi Balanced Trees for Face Retrieval From Image Database
11.30-11.50	1569474533	Automated System for Annotating and Retrieving Images
11.50-12.10	1569467911	Retrieval of 2D Objects and Shape Matching Using the B-spline Representation

Paper ID	ROOM 3 Coding and Compression Chair Dr. Ashraf Zaher	
	Paper ID	Paper Title
1569464967	1569464967	Visibly Accurate Model-Based Binary Image Compression Scheme
1569466385	1569466385	Multiple Descriptions Coding for H.264/AVC Using Coinciding A2 Lattice Vector Quantizer
1569467639	1569467639	Frame-adaptive Deblocking Filter for H.264/AVC
1569474719	1569474719	Reversible Data Embedding in Golomb-Rice Code
1569474809	1569474809	Efficient Motion Estimation Scheme for Downsizing H.264 Homogeneous Transcoding

Paper ID	ROOM 4 Feature Extraction Chair Dr. Kamran Kazemi	
	Paper ID	Paper Title
1569467563	1569467563	The Effects of Anisotropic Gaussian Diffusion in Scale Invariant Feature Detection
1569467583	1569467583	Finger-vein Identification Using Pattern Map and Principal Component Analysis
1569470039	1569470039	Spiral Unique Sequence: A New Rotation Invariant Feature for Small-size Image Block Matching
1569473679	1569473679	Extended 3D HLAC Pattern Features for Solid Textures
1569474615	1569474615	Determining Effective Colour Components for Skin Detection Using a Clustered Neural Network

Time	ROOM 2 Signal and Image Processing Algorithms Chair Dr. Yasmin Hanum Md Thayoob	
	Paper ID	Paper Title
2.20-2.40	1569470757	Analysis of the Complex Sign Regressor Least Mean Fourth Adaptive Algorithm
2.40-3.00	1569470751	The epsilon-Normalized Sign Regressor Least Mean Square (NSRLMS) Adaptive Algorithm
3.00-3.20	1569474465	Comparative Algorithms for Automatic Detection of Oil Spill in Multisar of Radarsat-1 Sar and Envisat Data
3.20-3.40		

Paper ID	ROOM 3 Communication Chair Dr. Mandeep Singh	
	Paper ID	Paper Title
1569474723	1569474723	Secure Communication Using Duffing Oscillators
1569474779	1569474779	Multi-Receiver Modulation Classification for Satellite Communication Signals
1569479425	1569479425	A Design for Software Defined M-PSK Radio on FPGA for Low SNRs and Symbol Rates Upto 10MS/s
1569475285	1569475285	Preamble-based Channel Estimation in MIMO-OFDM/OQAM Systems

Paper ID	ROOM 4 General Image Processing 2 Chair Dr. Mahendra V. Chilukuri	
	Paper ID	Paper Title
1569474761	1569474761	GRoM - Generalized Robust Multichannel Feature Detector
1569474699	1569474699	Skull and Fontanel Segmentation From Neonatal CT Data by Model Based Variational Level Set Using Localized Coefficient
1569464111	1569464111	A Fast Lossless Compression Algorithm for Arabic Textual Images
1569466455	1569466455	Watermarking Security Analysis Based on Information Theory