23rd November 2015

Poster Session A **12:40 – 14:00**	A01 - Expectation-maximization with image-weighted Markov Random Fields to handle severe pathology *Alex Pagnozzi, CSIRO Digital Productivity & S; Nicholas Dowson, CSIRO Digital Services & Productivity Flagship; Pirrick Bourgeat, CSIRO Digital Services & Productivity Flagship; Stephen Rose, CSIRO Digital Services & Productivity Flagship; Andrew Bradley, School of Information Technology and Electrical Engineering; Roslyn Boyd, Queensland Cerebral Palsy and Rehabilitation Research Centre* A02 - Track Before Detect for Space Situation Awareness *Sam Davey, Defence Science and Technology Organisation; Travis Bessell, DSTO; Brian Cheung, DSTO; Mark Rutten, DSTO* A03 - A Vision-based Infant Respiratory Frequency Detection System *Chiung-Yao Fang, ; Hsin Hung Hsieh, Academia Sinica; Sei-Wang Chen* A04 - A novel saliency detection for stereoscopic images *Hao Cheng, UTS; Jian Zhang , University of Technology, Sydney; Ping An, Shanghai University; Zhi Liu, Shanghai University* A05 - Fast and Robust Edge Extraction in Unorganized Point Clouds *Dena Bazazian, UPC; Josep Casas, Universitat Politecnica de Catalunya; Javier Ruiz-Hidalgo, Universitat Politecnica de Catalunya* A06 - A Model Integrating Fire Prediction and Detection for Rural-Urban Interface *Nyma Alamgir, Queensland University of Technology; Wageeh Boles, Queensland University of Technology; Vinod Chandran, Queensland University of Technology* A07 - Robust Human Tracking to Occlusion in Crowded Scenes *Hiromasa Takada, Meijo university; Kazuhiro Hotta, Meijo University, Japan* A08 - Evaluation protocol of skeletonization applied to grayscale curvilinear structures *Rabaa Youssef, COSIM Lab of Sup'Com; Anne Ricordeau, IUT de Montreuil de l'Université Pairis 8; Sylvie Sevestre-Ghalila, CEA-LinkLab; Amel Benazza-Benyahia,* A09 - Textons for 3D binary data with applications to classifying cancellous bone *Murk Bottema, Flinders University* A10 - The Quick Atmospheric Correction (QUAC) Algorithm For Hyperspectral Image Processing - Extending QUAC to a Coastal Scene *Stephen Carr, Department of Defence; Larry Bernstein, ; Steve Adler-Golden* A11 - Building Change Detection Based on Markov Random Field - Exploiting both pixel and corner features *Kaibin Zong, The University of NSW; Arcot Sowmya, The University of New South Wales; John Trinder, UNSW* A12 - Improved IIR Low-Pass Smoothers and Differentiators with Tunable Delay *Hugh Kennedy, University of South Australia*

A13 - Improved Classification and Reconstruction by Introducing Independence and Randomization in Deep Neural Networks
Gaurush Hiranandani, Adobe Research; Harish Karnick, IIT Kanpur

A14 - Birdcall retrieval from environmental acoustic recordings using image processing
Xueyan Dong, Queensland Uni of Technology; michael Towsey, ; Philip Eichinski, ; Jinglan Zhang, ; Paul Roe

A15 - Image Labeling by Integrating Local, Middle and Global Information
Takahiro Ishida, Meijo University; Kazuhiro Hotta, Meijo University, Japan

A16 - Performance Evaluation of A Newly Proposed Novel L-SPECT system for SPECT Imaging
Tasneem Rahman, UNSW Australia; Murat Tahtali, UNSW Australia; Mark Pickering, University of New South Wales, Australia

A17 - Kernel Subspace Integral Image Based Probabilistic Visual Object Tracking
Iftikhar Majeed, NUST; Omar Arif, NUST

A18 - Bio-Cell Image Segmentation using Bayes Graph-Cut Model
Maedeh Beheshti, Griffith University; Jolon Faichney, ; Amin Gharipour, Griffith University

A19 - Class-Semantic Textons with Superpixel Neighborhoods for Natural Roadside Vegetation Classification
Ligang Zhang, Central Queensland University; Brijesh Verma, CQ University Australia

A20 - Body Parts Segmentation with Attached Props using RGB-D Imaging
Hussein Haggag, Centre for Intelligent Systems; Sherif Haggag, Centre for Intelligent Systems Research, Deakin University, Australia; Mohammed Hossny, Centre for Intelligent Systems Research, Deakin University, Australia; Saeid Nahavandi, Centre for Intelligent Systems Research, Deakin University, Australia; Douglas Creighton, Centre for Intelligent Systems Research, Deakin University, Australia

A21 - Semantic Segmentation of RGB-D Images with 3D and Local Neighbouring Features
Fahimeh Fooladgar, Sharif University; Shohreh Kasaei

A22 - Texture content based successive approximations for image compression and recognition
Uma Kandaswamy, TexSAR Labs

A23 - Quantitative and Qualitative Evaluation of Performance and Robustness of Image Stitching Algorithms
Rajith Vidanaarachchi, University of Moratuwa; Sanka Rasnayaka, University of Moratuwa; Vipula Dissanayake, ; Sachith Seneviratne, University of Moratuwa; Sachini Herath, University of Moratuwa; Chandana Gamage, University of Moratuwa

A24 - Local Gabor Binary Patterns and Structured Sparse Representation for Face Recognition Robust to Occlusions
Bakunzi Theotime, Univerity of Mauritius

	A25 - Non-local Noise Estimation for Adaptive Image Denoising *Muhammad Hanif, The Australian National University* A26 - An Analysis of Human Engagement Behaviour Using Descriptors from Human Feedback, Eye Tracking, and Saliency Modelling *Pallab Podder, Charles Sturt University; Manoranjan Paul, Charles Sturt University, Australia; Tanmoy Debnath, Charles Sturt University; Manzur Murshed, Federation University, Australia*

24th November 2015

Poster Session B **12:40 – 14:00**	B01 - 3-D Modeling from Concept Sketches of Human Characters with Minimal User Interaction *Adrian Johnston, The University of Adelaide; Gustavo Carneiro, University of Adelaide; Ren Ding, University of Adelaide; Luiz Velho, IMPA Brazil* B02 - A Linear Complexity Approximate Method for Multi-Target Particle Filter Track Before Detect *Sam Davey, Defence Science and Technology Organisation; Brian Cheung, DSTO* B03 - Robust Angle Invariant GAS meter Reading *Ignazio Gallo, Insubria University; Alessandro Zamberletti, Insubria University; Lucia Noce, Insubria University* B04 - Plane-Tree Low-Bitrate Mesh Compression *Luke Lincoln, Griffith University; Ruben Gonzalez, Griffith University* B05 - A Revisit of Determining the Fundamental Matrix with Planes *Yi Zhou, ANU; Laurent Kneip, ANU; Hongdong Li, Australian National University* B06 - Creating Compact and Discriminative Visual Vocabularies using Visual Bits *Amirthalingam Ramanan, University of Jaffna; Kirishanthy Tharmalingam, University of Jaffna* B07 - Automatic Diagnosis Support System Using Nuclear and Luminal Features *Yuriko Harai, Keio University* B08 - A Functional Approach to Border Handling in Image Processing *Leonard Hamey, Macquarie University* B09 - Summarizing Surveillance Video by Saliency Transition and Moving Object Information *MD Salehin, Charles Sturt University; Manoranjan Paul, Charles Sturt University, Australia*

B10 - Batch Mode Active Learning for Object Detection Based on Maximum Mean Discrepancy
Yingying Liu , University of New South Wales; Yang Wang, National ICT Australia; Arcot Sowmya, The University of New South Wales

B12 - A Benchmarking Platform for Mitotic Cell Classification of ANA IIF HEp-2 Images
Anastasia Miros, The University of Queensland; Arnold Wiliem, The University of Queensland; Brian Lovell, University of Queensland, Australia; Lauren Ball, Sullivan Nicolaides Pathology; Kim Holohan, Sullivan Nicolaides Pathology; Peter Hobson, Sullivan Nicolaides Pathology

B13 - Scale Adaptive Filters
Ross Marchant, James Cook University

B14 - Multi-view Subspace Clustering for Face Images
Xin Zhang, Deakin University; Duc-Son Pham, Curtin University; Dinh Phung, Deakin University; Wanquan Liu, Curtin University, Australia; Svetha Venkatesh, Deakin University

B15 - Rotation Invariant Spatial Pyramid Matching for Image Classification
Priyabrata Karmakar, Federation University ; Guojun LU, ; Shyh Wei Teng, ; Dengsheng Zhang

B16 - A Survey on Human Action Recognition Using Depth Sensors
Bin Liang, Charles Sturt University; Lihong Zheng, Charles Sturt University

B17 - Automatic Image Segmentation based on Maximal Similarity based Region Merging
Erum Fida, SBK Women's University Quetta; Junaid Baber, UoB; Maheen Bakhtyar, Department of CS and IT, University of Balochistan

B18 - Dauphin: A Signal Processing Language
Ross Kyprianou, DSTO; Ross Kyprianou, Defence Science Technology; Peter Schachte, University of Melbourne; Bill Moran, RMIT

B19 - Implementation of Gaussian and Box kernel based Approximation of Bilateral Filter using OpenCL
Honey Gupta, V.N.I.T., Nagpur; Daniel Sanju Antony, Indian Institute of Science, Bangalore; Rathna G. N., Indian Institute of Science, Bangalore

B20 – Automatic Retinal Minimum Distance Band (MDB) Computation from SD-PCT Images
Md Akter Hussain, University of Melbourne; Alauddin Bhuiyan, ; Pallab Kanti Roy, University of Melbourne; Kotagiri Ramamohanarao, University of Melbourne

B21 - GPU Accelerated Face Recognition system with Enhanced Local Ternary Patterns using OpenCL
Vinith B, Department of Electronic and Communication Engineering, NIT Calicut.; Akhila M, Department of Electronic and Communication Engineering, NIT Calicut.; Narmada Naik, Department of Electrical Engineering, IISc Bangalore; Rathna G. N., Indian Institute of Science, Bangalore

	B22 - Multi-camera tracking of intelligent targets with Hidden Reciprocal Chains *George Stamatescu, University of Adelaide; Langford White, University of Adelaide; Anthony Dick, University of Adelaide* B23 - On the Effects of Low Video Quality in Human Action Recognition *John See, Multimedia University; Saimunur Rahman* B24 - Unified lowering decision of parametric thinning in the hypothesis test framework *Rabaa Youssef, COSIM Lab of Sup'Com; Sylvie Sevestre-Ghalila, CEA-LinkLab* B25 - Evaluating Spatio-temporal Parameters in Video Similarity Detection by Global Descriptors *Amir Hossein Rouhi, RMIT* B26 - Illumination Invariant Efficient Face Recognition Using a Single Training Image *Girija Chetty, University of Canberra; Madasu Hanmandlu, IIT, Delhi*

25th November 2015	
Poster Session C **12:40 – 14:00**	C01 - Illumination Compensated Segmentation of Microscopic Images of Activated Sludge Flocs *Muhammad Burhan Khan, Universiti Tunku Abdul Rahman; Humaira Nisar, Universiti Tunku Abdul Rahman* C02 - Selective Multi-Source Total Variation Image Restoration *Stephen Tierney, Charles Sturt University; Yi Guo, CSIRO; Junbin Gao, Charles Sturt University, Australia* C03 - Multi-Factor Authentication on Cloud *Salman Khan, UWA* C04 - A Multi-Kernel Local Level set Image Segmentation Algorithm for Fluorescence Microscopy Images *Amin Gharipour, Griffith University; Alan Liew, Griffith University* C05 - Direct 6-DoF Pose Estimation from Point-Plane Correspondences *Kourosh Khoshelham, University of Melbourne* C06 - Enhanced-IPMH as a Robust Visual Descriptor From H.264/AVC and Evaluation of Parameters Effects *Amir Hossein Rouhi, RMIT* C07 - Towards Fast 3D Reconstruction Using Silhouettes and Sparse Motion *Duncan Eason, Plant & Food Research Limited; Jamie Heather, Plant & Food Research Limited; Gadi Bental, Plant & Food Research*

C08 - Closed-Form Solutions for Low-Rank Non-Rigid Reconstruction
Jack Valmadre, Queensland University of Technology; Sridha Sridharan, QUT; Simon Denman, QUT; Clinton Fookes, Queensland University of Technology, Australia; Simon Lucey, CMU

C09 - Hierarchical Aggregation based Deep Aging Feature for Age Prediction
Jiayan Qiu, Australian National University; Yuchao Dai, Australian National University; Yuhang Zhang, Chalmers University of Technology, Sweden; Jose Alvarez, National ICT Australia Ltd, NICTA, Australia

C10 - Face Recognition Against Mouth Shape Variations
Mustafa Alrjebi, Curtin University; Wanquan Liu, Curtin University, Australia; Ling li, Curtin University

C11 - Mammogram mass classification with temporal features and multiple kernel learning
Fei Ma, Xi'an Jiaotong-Liverpool Uni; Limin Yu, Xi'an Liaotong-Liverpool Uni; Mariusz Bajger, Flinders University; Murk Bottema, Flinders University

C12 - Making Patch Based Descriptors more Distinguishable and Robust for Image Copy Retrieval
Junaid Baber, University of Balochistan

C14 - Monocular Position-pose Measurement based on Circular and Linear Features
Cai Meng, Beihang University ; Jiao Xue, Beihang University ; Zhan Hu, Beihang University

C15 - Aerial Car Detection and Urban Understanding
Dmitri Kamenetsky, Defence Science and Technology Organisation; Jamie Sherrah, Defence Science and Technology Organisation

C16 - Dense Correspondence Using Non-local DAISY Forest
Xiaoshui Huang, UTS; Jian Zhang , University of Technology, Sydney; Qiang Wu, University of Technology, Sydney; Chun Yuan, ; Lixin Fan

C17 - Anomaly detection of Man-made Objects in Large Aerial Images
Carmine Pontecorvo, Defence Science and Technology Organisation, Australia; Jamie Sherrah, Defence Science and Technology Organisation

C18 - Probabilistic detection of pointing directions for human-robot interaction
Dadhichi Shukla, University of Innsbruck; özgür Erkent, University of Innsbruck; Justus Piater, University of Innsbruck

C19 - Face Recognition Against Wearing Glasses
Antoni Liang, Curtin University; Nadith Pathirage, Curtin University; Chenyu Wang, Curtin University; Wanquan Liu, Curtin University, Australia; Ling li, Curtin University; Jinming Duan, University of Nottingham

C20 - Face Recognition using two-dimensional tunable-Q Wavelet transform
T. Sunil Kumar, ; Vivek Kanhangad, Indian Institute of Technology

C21 - Large-scale image retrieval using local binary patterns and iterative quantization

	Mona Shakerdonyavi, Kharazmi ; jamshid Shanbehzadeh, ; Abdolhossein Sarrafzadeh, C22 - Learning Efficiently- The Deep CNNs-Tree Network *Fu-Chun Hsu, University of Melbourne; Jayavardhana Gubbi, The University of Melbourne; Marimuthu Palaniswami, The University of Melbourne* C23 - An Automatic Algorithm for Tracking Small Intestine in CT Enterography *Jan Horacek, Charles University in Prague; Jan Kolomaznik, Charles University in Prague; Martin Horak, Na Homolce Hospital; Josef Pelikan, Charles University in Prague*