	Monday	Tuesday	Wednesday
09:00	Welcome	Keynote	
09:30	Keynote	Yuta Itoh	Keynote
10:00	Ian Taylor	Break	Stephen Gould
10:30	Break	Best Papers	Break
11:00	Orals 1		Orals 4
11:30			
12 noon	Lunch	Lunch	Lunch
12:30			
13:00	Posters 1	Posters 2	Orals 5
13:30			
14:00			Closing
14:30	NZRAS	IVCNZ	
15:00	(break)	(break)	
15:30	Orals 2	Orals 3	
16:00			
16:30			
17:00	Reception		
17:30			
18:00		Conference	
18:30		Dinner	
19:00		(food around 7)	

Orals 1 **Features**

15 Jaco Fourie, Kapil Fusion of thermal and visible colour images for robust detection of people in forests
77 Megan Liang, Gab Identifying Simple Shapes to Classify the Big Picture
58 Akmal-Jahan Moh Minutiae Triangle Graphs: A New Fingerprint Representation with Invariance Properties
90 Hoa Nguyen and M Fast and Secured Visual Content Hiding in Lossy Compressed Images and Video Streams

Orals 2 **Stereo Vision**

75 Finn Petrie, Steve Stitching Partial 3D Models with an Application to Modelling Stone Flakes
32 Hamza Bennani a A Light in Dark Places - 3D Reconstruction from Stereo Views with a Moving Light Source
69 Min-Jae Lee, Gi-M Disparity Refinement with Guided Filtering of Soft 3D Cost Function in Multi-view Stereo System

Best Papers

63 Hsiang-Jen Chien, On Improving Bounding Box Regression Towards Accurate Object Detection and Tracking
22 Jingheng Chen. 3D Rigid Registration of Patient Body Surface Point Clouds by Integer Linear Programming
14 Hamza Bennani a Three-Dimensional (3D) Reconstruction of Dried Vertebrae from Bi-planar Radiographs
2 Ricard Durall Lope Semi Few-Shot Attribute Translation
8 Daniel Barry, Muni xYOLO: A Model For Real-Time Object Detection In Humanoid Soccer On Low-End Hardware

Orals 3 **Sensors**

60 Carl A. Lickfold, L Frequency Based Radial Velocity Estimation in Time-of-Flight Range Imaging
26 Richard Clare, Ste Centroiding of Truncated Shack-Hartmann Laser Guide Star Images with Known Reference Images
53 Ali Alqassab, Lee Adaptation of Bidirectional Kalman Filter to Multi-FrequencyTime-of-Flight Range Imaging
27 Arpita Dawda, Min Accurate 3D Measurement of Highly SpecularSurface using Laser and Stereo Reconstruction

Orals 4 **Methods**

65 Christian Payer, D Evaluating Spatial Configuration Constrained CNNs for Localizing Facial and Body Pose Landmarks
66 Damien O'Neill, Bi The Evolution of Adjacency Matrices for Sparsity of Connection in DenseNets
33 Rick Millane, Josh Iterative projection algorithms for solving constraint satisfaction problems: Effect of constraint convexity
11 Hyeyeon Choi, Gy Real-time power line detection network using visible light and infrared images

Orals 5 **Neural Networks**

80 Tessa Phillips and Class Embodiment Autoencoder (CEAE) for classifying the botanical origins of honey
49 Joseph Cahill-Lan Body Part Labelling with Minkowski Networks
21 Hiqmat Nisa, Jam A deep learning approach to handwritten text recognition in the presence of struck-out text

17	Nan Xi.	Semi-supervised Attentive Mutual-info Generative Adversarial Network for Brain Tumor Segmentation

Posters 1

4	Kulsoom Mansoor	Recognizing Text with a CNN
83	Marco Tyler-Rodri	Track Cyclist Detection and Identification using Mask R-CNN and K-means Clustering
43	Ibrahim Hassan S	Semantic Segmentation of Sheep Organs via Convolutional Neural Networks
71	Purnendu Mishra a	Fingertips Detection in Egocentric Videos using Deep Neural Networks
40	Akmal-Jahan Moh	Rotation and Scale Invariant Bispectral Feature based Recognition of Contactless Palmprints
36	Sunpreet Sharma,	A Novel Method to Achieve Ordered Dithering in Images.
50	Hedi Hedayati, Be	Generalization Approach for CNN-based Object Detection in Unconstrained Outdoor Environments
64	Neel Pandey, Wal	Multi-view Gait recognition using sparse representation
62	Oliver Batchelor a	Object detection for Verification Based Annotation
48	Md. Ajij, Diptendu	Plant Leaf Recognition using Geometric Features and Pearson Correlations
38	Seyed Abdolreza I	A Color Moments-Based System for Recognition of â€ŽEmotions Induced by Color Images
81	Noel Park, Steven	Towards a Māori Telepresence System
82	Thihagoda Gamag	Learning and Analysis of AusRAP Attributes from Digital Video Recording for Road Safety
31	Yuan Chang, Stev	RGB Imaging Based Estimation of Leaf Chlorophyll Content
20	Shah Nawaz, Ales	Are These Birds Similar: Learning Branched Networks for Fine Grained Representations
72	Muhammad Umair	Salient Object Detection based on CNN Fusion of Two Types of Saliency Models
91	Adnan Mustafa.	An Image Mapping Approach for Quick Dissimilarity Detectionof Binary Images
78	Qurrat Ul Ain, Bing	Genetic Programming for Multiple Feature Construction in Skin Cancer Image Classification
13	Cheng Yang and J	Deep learning for pollen sac detection and measurement on honeybee monitoring video

Posters 2

34	Chau-Phuc-Thinh	Human Density Estimation by Exploiting Deep Spatial Contextual Information
3	Michal Haindl.	Coniferous Trees Needles-Based Taxonomy Classification
88	Sophie McGill-Smi	Jigsaw Puzzle Solver to Locate Piece Position
73	Md. Ajij, Diptendu	PIPP: Person Identification from Palm-surface Polygons
24	Kaier Wang, Nabe	Automated Segmentation of Breast Arterial Calciï¬cations from Digital Mammography
5	Haipeng Li, Ramal	Breast Density Classification Using Multifractal Spectrum with Histogram Analysis
44	Sam Banks, Richa	Use of Moiré Patterns in Camera Position Estimation
23	Heng Yu, Jiang Li	GetNet: Get Target Area for Image Pairing
68	Chengwen Song, I	An Improved Selective Facial Extraction Model for Age Estimation

19	Vandana Miglani a	Sign Language Recognition Based on Hybrid 3D-2D Convolutional Neural Networks
74	Siddhant Garg, Gc	Interpretable Inference Graphs for Face Recognition
42	Liton Devnath, Sul	An accurate black lung detection using transfer learning based on deep neural networks
70	Abdurakhmon Abc	Extending Input Channel Using Global Feature Image for Convolutional Neural Networks
35	Hamish Bradley, D	Sub-pixel Registration Techniques for X-ray Phase Contrast Imaging
84	Adam Tupper and	Pedestrian Proximity Detection using RGB-D Data
37	Christian Benz, Pa	Crack Segmentation on UAS-based Imagery using Transfer Learning
41	Romain Arnal, Mal	Ab initio phasing using diffraction data from different crystal forms
57	Patrick Skinner an	Localisation for Augmented Reality at Sport Events
89	Niklas Deckers an	Analysis and Comparison of Three-Dimensional Reconstruction Methods
29	Sierra Hickman, S	Image Correction with Curvature and Geometric Wavefront Sensors in Simulation and On-sky