Graduate School 2014

Monday 16th June 2014
1200-1300 Arrival and lunch, served outside the Robert Recorde Room, Faraday Building

Main Session – Robert Recorde Room
1300-1305 Welcome
1305-1345 Majid Mirmehdi (Bristol), TBA

Parallel Session 1 (Robert Recorde) - Mostly Arteries
1350-1405 Carl Azzopardi (Cardiff), Quantifying Atherosclerosis in Peripheral Vasculature using 3D Ultrasound Imaging
1405-1420 Jingjing Deng, (Swansea), Coronary Image Segmentation
1420-1435 Ehab Essa, (Swansea) Combinatorial Optimisation for Arterial Image segmentation
1435-1450 Liping Wang (Aberystwyth), Brain Registration Using Demons

Parallel Session 2 (Room Faraday Lecture Room B) – Shapes
1350-1405 Ralph Martin (Cardiff), Region-based Bas-relief Generation from a Single Image
1405-1420 Jing Wu (Cardiff), Heuristic methods for shape from shading initialization
1420-1435 Jonathan Slade (Cardiff), Semantic and Geometric Enrichment of 3D Building Models
1435-1450 David Pickup (Cardiff) Shape retrieval of non-rigid 3D models

1450-1515 Tea and Coffee Break

Parallel Session 3 (Robert Recorde) – Models & Cultural Heritage
1515-1530 Zhibin Niu (Cardiff), Applying database optimization technologies to feature recognition in CAD
1530-1545 Rich Milliken (Cardiff), Model building using smartphone technologies
1545-1600 Helen Miles (Aberystwyth), HeritageTogether: a web service for crowd sourced digitisation of heritage assets
1600-1615 Lee Williams (Bangor), Query tools for Visualizing and exploring Heritage data

Parallel Session 4 (Room Faraday Lecture Room B) – Faces and Humans
1515-1530 Khtam Al-Meyah (Cardiff), Modeling facial dynamics change as people age
1530-1545 Samia Albasri (Cardiff), Modelling Coarticulation for facial model in computer graphics and vision
1545-1600 Muhammad Mohmand (Aberystwyth), A Dynamic Based Approach for Audio Visual Emotional Speech Synthesis and Recognition
1600-1615 Mike Edwards, (Swansea) Human Interaction Modelling

Parallel Session 5 (Faraday Tower Room 314) –
1515-1530 Muhammad Waqar (Aberystwyth), Emotion Detection using Non-contact Video-based Methods
1530-1545 Arron Lacey (Swansea), Machine Learning for Protein Classification
1545-1600 Jonathan Jones, (Swansea) Shortest Path Problem in Image Segmentation
1600-1615 Zainab Ali Abood (Bangor), Review of Evolutionary Algorithms in Imaging and Computer Vision

Main Session – Robert Recorde Room
1615-1700 Tim Weyrich (UCL), Bespoke Computer Graphics Systems for Cultural Heritage Applications

1900- Dinner – Grape and Olive

Tuesday 17th June 2014

Parallel Session 6 (Robert Recorde) - Video
0910-0925 Ashwan Abdulmunem, Human Behavior Recognition from Temporal Video Sequences
0925-0940 David Marshall (Cardiff), Sports and Surveillance Video Analysis
0940-0955 Mahmud Mohammad (Cardiff) Evaluation of Video Segmentation quality
0955-1010 Matt Pugh (Aberystwyth), Automated Underwater Video Analysis
1010-1025 Robert Wanat (Bangor), Simulating and compensating changes in appearance between day and night vision

Parallel Session 7 (Room Faraday Lecture Room B) – Vision Applications
0915-0930 Marc Edwards (Bangor), Examples of cost effective technologies in research
0930-0945 Ali Khayeat (Cardiff), Using DSIFT Descriptor to Detect Copy-Move Forgery in Digital Images
0945-1000 Frank Langbein (Cardiff) Towards Optimal Control Enhanced Magnetic Resonance Spectroscopy
1000-1015 Olalekan Lanihun (Aberystwyth), Categorization through Evidence Accumulation in an Active Vision System

1025-1045 break

Parallel Session 8 (Robert Recorde) – Visualisation and Graphics
1045-1100 Hanan Alnjar (Bangor), Data visualization metrics
1100-1115 Robert S. Laramee (Swansea), Flow As You've Never Seen It
1115-1130 Jason Vandeventer (Cardiff) Modelling 3D Conversational Facial Expressions
1130-1145 Thomas Bashford-Rogers (Warwick), Importance Driven Environment Map Sampling

Parallel Session 9 (Room Faraday Lecture Room B), Vision Applications
1045-1100 Andrik Rampun (Aberystwyth), Prostate Cancer Detection and Localisation within the Peripheral Zone
1100-1115 Robert Palmer (Swansea), Marginal Space Learning

1115-1130 Hannah Dee (Aberystwyth), Some interesting vision problems from plant science
1130-1145 Shisheng Wang (Aberystwyth), Arabidopsis segmentation from time lapses images

Main Session – Robert Recorde Room
1150-1230 Kurt Debattista (Warwick), High-Fidelity Graphics

1230 Lunch and depart

Website for interactive maps and parking advice:
http://cs.swansea.ac.uk/visualcomputing/?page_id=384

Talks take place here:

Marriott here (Grape and Olive next door):