

Thursday 13 September					
<b>Hands-On Applied Visualization Training Event</b>					
09:00	Introduction by Robert S Laramée	Faraday G	09:00	CGVC 2018 Registration - Faraday Tower Foyer	Foyer
09:10	Introduction to <b>Tableau</b> by Elif E Firat	Faraday G			
10:00:00 - 11:00	<b>D3</b> Part I by Dylan Rees	Faraday G			
			11:00	CGVC Opening Session, Bob Laramée	Faraday B
			11:30	<b>Keynote Talk-Visual Analytics for the Direct Support of Value Assessment</b> by Timos Kipourou	Faraday B

12:45:00-13:55	<b>Poster Session and Lunch - Faraday Tower Foyer</b>				
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<div>14:00</div> <div>D3 Part II by Richard Roberts</div> <div>Faraday G</div> <div>15:00</div> <div>Introduction to <b>QGIS</b> by Liam McNabb</div> <div>Faraday G</div> <div>16:00</div> <div>Introduction to the <b>NLTK</b> by Mohammed Alharbi</div> <div>Faraday G</div> <p>Participants in the training session are encouraged to bring their laptops and download the software beforehand to follow along.</p>	<b>Vision and Learning, Chair: Gary Tam</b>			<b>Graphics: Chair: Franck Vidal</b>		
	14:00 - 14:20	Minu George, Erika Denton, Reyer Zwiggelaar, <b>Topological connected graph modelling and classification of mammographic microcalcification</b>	Faraday B	14:00 - 14:20	Dominik Borer, Martin Guay, Robert W. Sumner, <b>Keys-to-Sim: Transferring Hand-Crafted Key-framed Animations to Simulated Figures using Wide Band Stochastic Trajectory Optimization</b>	Faraday C
	14:20 - 14:35	Nahlah Algethami, Sam Redfern, <b>Combining accumulated frame differencing and corner detection for motion detection</b>	Faraday B	14:20 - 14:35	Llogari Casas Cambra, Matthias Fauconneau, Maggie Kosek, Kieran McIister, Kenny Mitchell, <b>Image Based Proximate Shadow Retargeting</b>	Faraday C
	14:35 - 14:55	Ahmad Aal-Yhia, Paul Malcolm, Reyer Zwiggelaar, Otar Akanyeti, Bernard Tiddeman, <b>Groupwise non-rigid image alignment with graph-based initialisation</b>	Faraday B	14:35 - 14:55	Matthew Leach, Steve Maddock, <b>Physically-based Sticky Lips</b>	Faraday C
	14:55 - 15:15	Joss Whittle, Mark Jones, <b>A Deep Learning Approach to No-Reference Image Quality Assessment For Monte Carlo Rendered Images</b>	Faraday B	14:55 - 15:15	Marcel Koester, Antonio Krueger, <b>Screen Space Particle Selection</b>	Faraday C
	15:15 - 16:00	<b>Poster Session / Coffee break - Faraday Tower Foyer</b>				Foyer
	<b>Visualization I, Chair: Bob Laramée</b>			<b>Short Papers Session 7 (10+2 mins each): Chair David Duce</b>		
	16:00 - 16:20	Dylan Rees, Richard Roberts, Robert S. Laramée, Paul Brookes, Gary Smith, <b>Hardware-Assisted Scatterplots for Millions of Call Events</b>	Faraday B	16:00 - 16:12	P. Laube, M. Grunwald, M. O. Franz and G. Umlauf, <b>Image Inpainting for High-Resolution Textures using CNN Texture Synthesis</b>	Faraday C
	16:20 - 16:40	Richard Roberts, Dylan Rees, Robert S. Laramée, Paul Brookes, Gary Smith, <b>RiverState: A Visual Metaphor Representing Millions of Time-Oriented State Transitions</b>	Faraday B	16:12 - 16:24	P. Macho, N. Kurz, A. Ulges, R. Brylka, T. Gietzen, U. Schwanecke, <b>Segmenting Teeth from Volumetric CT Data with a Hierarchical CNN-based Approach</b>	Faraday C
	16:40 - 17:00	Elif Emel Firat, Robert S. Laramée, <b>Towards a Survey of Interactive Visualization for Education</b>	Faraday B	16:24 - 16:36	Abdalla Ahmed, <b>Voronoi Tree Maps with Circular Boundaries</b>	Faraday C
				16:36 - 16:48	Xin Zhang, Qian Wang and Ioannis Ivrrisimtzis, <b>Single Image Watermark Retrieval from 3D Printed Surfaces via Convolutional Neural Networks</b>	Faraday C
				16:48 - 17:00	Shatha Al-malki, Évelyne Lutton, François Boué, Franck Vidal, <b>Evolutionary interactive analysis of MRI Gastric images using a multiobjective cooperative-coevolution scheme</b>	Faraday C
18:45	<b>Conference Dinner - Patti Raj Restaurant</b>					

Friday 14 September		
<b>Visualization II</b>		
09:20 - 09:40	Chao Tong, Liam McNabb, Robert Laramée, <b>Cartograms with Topological Features</b>	Faraday B
09:40 - 09:55	Richard Roberts, Liam McNabb, Naif Alharbi, Robert S. Laramée, <b>Spectrum: A C++ Header Library for Colour Map Management</b>	Faraday B
09:55 - 10:15	Mohammad Alharbi, Robert S. Laramée, <b>SoS TextVis: A Survey of Surveys on Text Visualization</b>	Faraday B

10:15 - 11:00	<b>Poster Session / Coffee break</b>	Foyer
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Visualization III and VR		
11:00 - 11:20	Pedro Eid Maroun, Sudhir Mudur, Tiberiu Popa, <b>Knowledge-based Discovery of Transportation Object Properties by Fusing Multi-modal GIS Data</b>	Faraday B
11:20 - 11:40	Liam McNabb, Robert S. Laramée and Max Wilson, <b>When Size Matters: Towards Evaluating Perceivability of Choropleths</b>	Faraday B
11:40 - 12:00	Peter Ankomah, Peter Vangorp, <b>Immersive virtual reality : A literature review and metrics-based classification</b>	Faraday B

12:00 - 13:00	Lunch	Foyer
13:00 - 14:00	Capstone Talk: Visualisation in Microscopy – Making Sense of the Invisible World in 3D by Richard Johnston	Faraday B
14:00 - 14:15	Closing and Awards: Gary and Franck	Faraday B
14:15 - 15:30	EGUK Annual General Meeting	Faraday B

Posters		
Feng-Sheng Lin, Yun-Yun Tsou, Chang-Yu Tang, Hui-Chi Tsai, Yu-Hsin Chen, Ruen-Rone Lee, <b>Light Source Reconstruction for Augmented Reality Rendering using Dynamic Thresholding</b>		
Ben Taylor, Ik Soo Lim, <b>A Screen Space Algorithm for Casting Shadows of Seemingly Impossible Models (Extended Abstract)</b>		
Cameron Gray, and Dave Perkins, <b>Visualising the University Degree Journey</b>		
Mario Sandoval, Tim Morris, Martin Turner, <b>Multiple Degrees-Of-Freedom Input Devices for Interactive Command and Control within Virtual Reality in Industrial Visualizations</b>		
Taiwei Wang, David George, Yu-Kun Lai, Xianghua Xie, Gary KL Tam, <b>Consistent Segment-wise Matching with Multi-Layer Graphs</b>		
Michelle Wu, Zhidong Xiao, <b>Character Animation Reconstruction from Content-Based Motion Retrieval</b>		
Paria Yousefi, Ludmila Kuncheva, Clare Matthews, <b>Selecting Feature Representation for Online Summarisation of Egocentric Videos</b>		
Kuba Maruszczyk, Gyorgy Denes, Rafal Mantiuk, <b>Improving Quality of Anti-Aliasing in Virtual Reality</b>		