BMVA Symposium: 3D worlds from 2D images in humans and machines.

One Day BMVA symposium in London, UK on Wednesday 29th January 2020

Chairs: Andrew Schofield, Aston University. Richard Bowden, University of Surrey. Wendy Adams University of Southampton.

Key note speaker: James Elder. Professor of Human and Computer Vision, York University, Toronto.
www.bmva.com/meetings

Call for Posters:

When humans view a photograph, they perceive the 3D world that constructed the image. They can, for example, describe the depth relationships between objects, plan a route through the scene and imagine the scene from a different viewpoint. This process is automatic and compulsive. For example, even though humans possess size constancy they will readily misinterpret the size of a person to make sense of the rest of the scene as a 3D world. State of the art computer vision systems are now also very good at reconstructing 3D layout from 2D images (3D uplift) although, unlike humans, this is often restricted to specific domains or requires multiple views. This workshop will consider recent developments in 3D uplift as well as our current knowledge of scene understanding in human vision.

Submission Deadline 22nd November: Papers are invited covering aspects of

3D scene perception in humans and 3D uplift in machines including whole scene perception / uplift, object and body pose perception / uplift. Abstracts are not published, and re-presentation of previous work is acceptable. Submit interest through https://forms.gle/Fs4fyV84H4CysMKY9