IMVIP 2021 Program

Thursday, September 2

9.45am	**Welcome**	
10-11am	**KEYNOTE: Xavier Giro-i-Nieto** **Sign Language Translation and Production: Multimedia and Multimodal Challenges for All**	

Full oral presentations

11.10am	**CLADA: Contrastive Learning for Adversarial Domain Adaptation**	**Richard Greene and Kevin McGuinness**
11.30am	**Context Aware Object Geotagging**	**Chao-Jung Liu, Matej Ulicny, Michael Manzke and Rozenn Dahyot**
11.50am	**Billboard Detection in the Wild**	**Sayali Avinash Chavan, Dermot Kerr, Sonya Coleman and Hussein Khader**
12.10pm	**Multi-Head Self-Attention via Vision Transformer for Zero-Shot Learning**	**Faisal Alamri and Anjan Dutta**
12.30pm	**Automated Ki-67 proliferation scoring from histopathology images using Mobile and Cloud technology**	**Miranda J.E McConnell, Richard Gault, Stephanie G. Craig, David Cutting, Austen Rainer and Jacqueline James**

| 12.50pm | Lunch break | |

Short oral presentations

2.10pm	Finding people in GPS denied environments using an autonomous drone	Gerard Lacey and James O'Donnell
2.25pm	Algorithm architecture comparison for mammogram anomaly classification	Jonathan Armstrong, Paul Miller and Jesus Martinez del Rincon
2.40pm	Semi-supervised Learning of Cardiac MRI using Image Registration	Carles Garcia-Cabrera, Kathleen Curran, Noel O'Connor and Kevin McGuinness

| 2.55pm | Short break | |

Short oral presentations

3.15pm	Comparing the automatic evaluation of CPR compression rates using a smartwatch vs a smartphone	Senan d'Art and Kenneth Dawson-Howe
3.30pm	Strictly Ballroom - Analysing Dance Skills with Temporal Segment Networks	He Liu and Gerard Lacey
3.45pm	An Experimental Comparison of Knowledge Transfer Algorithms in Deep Neural Networks	Seán Quinn, Kevin McGuinness and Alessandra Mileo

IMVIP 2021 Program

Friday, September 3

10-11am	KEYNOTE: **Noel O'Connor** **Smart Stadiums**

Full oral presentations

11.10am	**Identifying Pathological Facial Weakness using Fuzzy Inference**	**Victoria Porter, Eliza Przewozniak, Richard Gault, Mark McDonald and Omar Uribe**
11.30am	**A Study of Image and Video Reconstruction Applications of a Novel Frequency-Domain Loss Function**	**Ojasvi Yadav, Aljosa Smolic, Sebastian Lutz and Koustav Ghosal**
11.50am	**Use of Saliency Estimation in Cinematic VR Post-Production to Assist Viewer Guidance**	**Colm O Fearghail, Emin Zerman, Sebastian Knorr, Fang-Yi Chao and Aljosa Smolic**
12.10pm	**Video-Based Hand Pose Estimation for Abnormal Behaviour Detection**	**Fiona Marshall, Shuai Zhang and Bryan Scotney**
12.30pm	**More efficient Geospatial ML modelling techniques for identifying man-made features in Aerial Ortho-imagery**	**Samuele Buosi, Shubham Sonarghare, John McDonald and Tim McCarthy**
12.50pm	**Best paper award** **Closing**	