



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	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
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 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

3.10pm	Comparing the automatic evaluation of CPR compression rates using a smartwatch vs a smartphone	Senan d'Art and Kenneth Dawson-Howe
3.25pm	Strictly Ballroom - Analysing Dance Skills with Temporal Segment Networks	He Liu and Gerard Lacey
3.40pm	An Experimental Comparison of Knowledge Transfer Algorithms in Deep Neural Networks	Seán Quinn, Kevin McGuinness and Alessandra Mileo

4-5pm KEYNOTE: Noel O'Connor
From Research to Practice and Back Again - the Role and Benefits of Testbeds for Computer Vision

IMVIP 2021 Program

Friday, September 3

Full oral presentations

11.00pm	CLADA: Contrastive Learning for Adversarial Domain Adaptation	Richard Greene and Kevin McGuinness
11.20am	Identifying Pathological Facial Weakness using Fuzzy Inference	Victoria Porter, Eliza Przewozniak, Richard Gault, Mark McDonald and Omar Uribe
11.40am	A Study of Image and Video Reconstruction Applications of a Novel Frequency-Domain Loss Function	Ojasvi Yadav, Aljosa Smolic, Sebastian Lutz and Koustav Ghosal
12.00am	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
12.20pm	Video-Based Hand Pose Estimation for Abnormal Behaviour Detection	Fiona Marshall, Shuai Zhang and Bryan Scotney
12.40pm	More efficient Geospatial ML modelling techniques for identifying man-made features in Aerial Ortho-imagery	Samuele Buosi, Shubham Sonarghare, John McDonald and Tim McCarthy
1pm	Best paper award Closing	