



## 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

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

**12.30pm      Lunch break**

**Short oral presentations**

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

**2.55pm      Short break**

**Short oral presentations**

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

**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	
1.30pm	IPRCS AGM	