



## 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>CLADA: Contrastive Learning for Adversarial Domain Adaptation</b>	<b>Richard Greene and Kevin McGuinness</b>
<b>11.30am</b>	<b>Video-Based Hand Pose Estimation for Abnormal Behaviour Detection</b>	<b>Fiona Marshall, Shuai Zhang and Bryan Scotney</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>
<b>12.30pm</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>

**12.50pm      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>
<b>2.55pm</b>	<b>Short break</b>	
<b>3.15pm</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>3.30pm</b>	<b>Strictly Ballroom - Analysing Dance Skills with Temporal Segment Networks</b>	<b>He Liu and Gerard Lacey</b>
<b>3.45pm</b>	<b>An Experimental Comparison of Knowledge Transfer Algorithms in Deep Neural Networks</b>	<b>Seán Quinn, Kevin McGuinness and Alessandra Mileo</b>

# IMVIP 2021 Program

Friday, September 3

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

## Full oral presentations

<b>11.10am</b>	<b>Identifying Pathological Facial Weakness using Fuzzy Inference</b>	<b>Victoria Porter, Eliza Przewozniak, Richard Gault, Mark McDonald and Omar Uribe</b>
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<b>11.30am</b>	<b>A Study of Image and Video Reconstruction Applications of a Novel Frequency-Domain Loss Function</b>	<b>Ojasvi Yadav, Aljosa Smolic, Sebastian Lutz and Koustav Ghosal</b>
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<b>11.50am</b>	<b>Use of Saliency Estimation in Cinematic VR Post-Production to Assist Viewer Guidance</b>	<b>Colm O Fearghail, Emin Zerman, Sebastian Knorr, Fang-Yi Chao and Aljosa Smolic</b>
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<b>12.10pm</b>	<b>Context Aware Object Geotagging</b>	<b>Chao-Jung Liu, Matej Ulicny, Michael Manzke and Rozenn Dahyot</b>
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<b>12.30pm</b>	<b>More efficient Geospatial ML modelling techniques for identifying man-made features in Aerial Ortho-imagery</b>	<b>Samuele Buosi, Shubham Sonarghare, John McDonald and Tim McCarthy</b>
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**12.50pm**      **Best paper award**  
**Closing**