

3DCVP 2023

1st Workshop on 3D Computer Vision and Photogrammetry

In conjunction with the 2023 IEEE International Conference on Image Processing

Kuala Lumpur, Malaysia

Sunday, 8 October 2023

Schedule

Time (PM)	Title
14:00 – 14:20	COLLABVP: Structure Enhanced VP Detector Abdelkarim Ellassam (INRIA) Gilles Simon (INRIA) Marie-Odile Berger (INRIA).
14:20 - 14:40	DFM4SfM - Dense Feature Matching for Structure from Motion Simon Seibt (Nuremberg Institute of Technology) Bartosz von Rymon Lipinski (Nuremberg Institute of Technology) Thomas Chang (Nuremberg Institute of Technology) Marc Erich Latoschik (University of Wuerzburg)
14:40 – 15:00	Offset-based Marker Placement for BIM Alignment in Mixed Reality Sajjad Einizinab, (University of Melbourne) Kourosh Khoshelham, (University of Melbourne) Stephan Winter (University of Melbourne) Philip Christopher (University of Melbourne)
15:00 – 15:20	DID: Dimension-Invariant Disentangling Model For Light Field Spatial Super-Resolution Yuxin Bao (Beijing University of Technology) Na Qi (Beijing University of Technology) Qing Zhu (Beijing University of Technology) Wei Xu (Beijing University of Technology)
15:20 – 15:40	Data-driven Hyperparameter Tuning for Point-based 3D Semantic Segmentation Simon Buus Jensen (Aalborg University) Galadrielle Humblot-Renaux (Aalborg University) Andreas Møgelmoose (Aalborg University) Thomas B. Moeslund (Aalborg University)
15:40 – 16:00	Gait Analysis with Trinocular Computer Vision Using Deep Learning Odysseas Stavrakakis (National Technical University of Athens) Athanasios Mastrogeorgiou (National Technical University of Athens)

Aikaterini Smyrli (National Technical University of Athens)
Evangelos Papadopoulos (National Technical University of Athens)

16:00 – 16:30

Coffee Break

16:30 – 16:50

A Graph Learning Based Multi-Modal Video Action Recognition

Lei Gao (Toronto Metropolitan University)
Kai Liu (Toronto Metropolitan University)
Ling Guan (Toronto Metropolitan University)

16:50 – 17:10

HRHD-HK: A Benchmark Dataset of High-Rise and High-Density Urban Scenes for 3D Semantic Segmentation of Photogrammetric Point Clouds

Maosu Li (The University of Hong Kong)
Yijie Wu (The University of Hong Kong)
Anthony Gar On Yeh (The University of Hong Kong)
Fan Xue (The University of Hong Kong)

17:10 – 17:30

Comparative Study of Feature Localization Methods for Endoscopy Image Matching

Ana Urdapilleta (Institut de Robotica i Informatica Industrial, CSIC-UPC)
Antonio Agudo (Institut de Robotica i Informatica Industrial, CSIC-UPC)

17:30 – 17:50

A Virtual Reality 3D Game: A Comparison Between An Immersive Virtual Reality Application And A Desktop Experience

Michalis Vrigkas (University of Western Macedonia)
Christophoros Nikou (University of Ioannina)