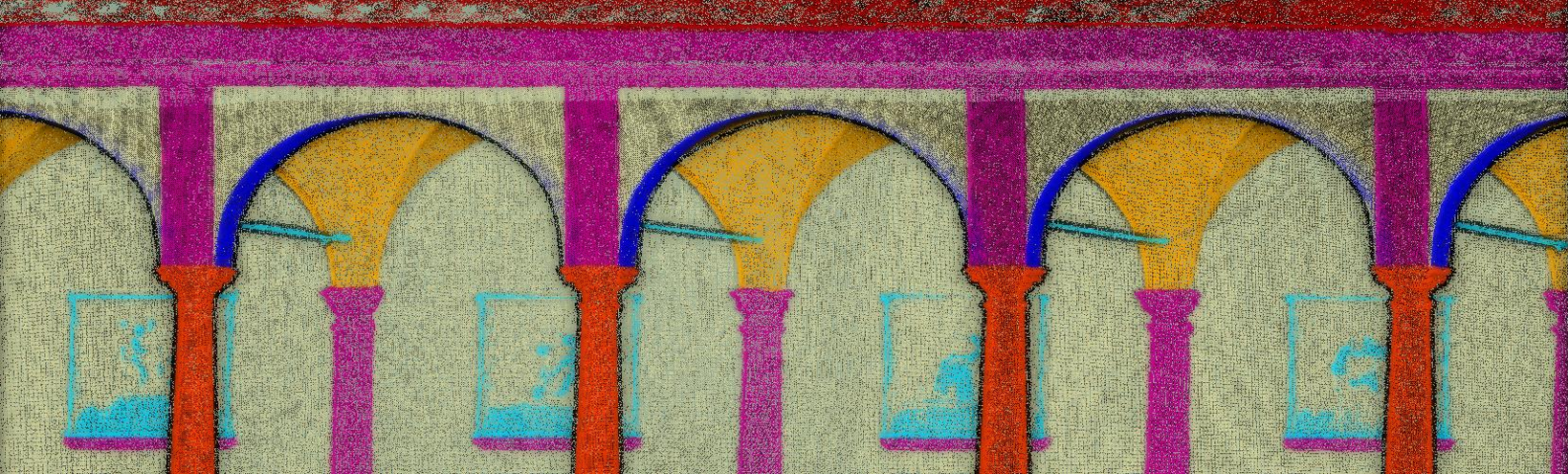




AI for the analysis of Cultural Heritage point clouds

A deep learning framework for semantic segmentation

ECCV 2022 Tutorial

Day: October 24th 2022 (half day – afternoon)
Time: 2.00–6.00 pm (Tel Aviv time)
Location: virtual

ORGANIZERS (Women in tech)



Eva Savina MALINVERNI
Marche Polytechnic University



Benedetta GIOVANOLA
University of Macerata



Eleonora GRILLI
FBK



Francesca MATRONE
Polytechnic of Turin



Marina PAOLANTI
University of Macerata

INVITED KEYNOTE SPEAKERS

Yue WANG
NVIDIA, Autonomous
Vehicle Research Group



Zan GOJCIC
NVIDIA, 3D deep learning

PROGRAM

2.00 – 2.10 pm	Opening remarks	Eva Savina Malinverni and Marina Paolanti
2.10 – 2.40 pm	Ethical issues & challenges of AI in the cultural heritage domain	Benedetta Giovanola
2.40 – 3.10 pm	Learning geometric representations from point clouds	Yue Wang
3.10 – 3.40 pm	Exploiting temporal point cloud sequences for dynamic scene understanding	Zan Gojcic
3.40 – 3.50 pm	BREAK	
3.50 – 4.20 pm	How to adapt the semantic segmentation process to unique heritage datasets	Eleonora Grilli
4.20 – 4.50 pm	Processing, understanding and interpreting deep learning models for heritage point clouds	Francesca Matrone
4.50 – 5.40 pm	BubbleX framework & code implementation	Emanuele Balloni
5.40 – 6.00 pm	Q&A + closing round table	all