



Spring School 2022



eXtended Reality Spring School 2022

"Immersive Presence, Augmented Visualization and Advanced Interaction"

May 2-7, 2022 – Naples, Italy

Monday May 2nd	
9,00 – 12,30 Registration	
12,30 – 13,30 Lunch	
13,30 – 14,00 <i>School opening</i>	Pasquale Arpaia, Università di Napoli Federico II Lucio Tommaso De Paolis, Università del Salento Paolo Proietti, Leonardo SpA, MIMOS Daniele Riccio, Università di Napoli Federico II
14,00 – 15,30 <i>Keynote speaker 1</i>	Marco Sacco, STIIMA-CNR Are XR technologies ready for manufacturing?
15,30 – 16,00 Coffee break	
16,00 – 17,30 <i>Keynote speaker 2</i>	Vitantonio Bevilacqua, Politecnico di Bari Machine learning approaches to process images and support precision medicine and industry 4.0
Social event: welcome cocktail 19,30 – 21,00	

Tuesday May 3rd	
<i>Chairs: Pasquale Arpaia, Giuseppe Di Gironimo</i>	
9,00 – 10,30 <i>Lecture 1</i>	Lucio Tommaso De Paolis, Università del Salento Extended Reality and Digital Twins
10,30 – 11,00 Coffee break	
11,00 – 12,30 <i>Lecture 2</i>	Luigi Gallo, ICAR-CNR Touchless Interaction in surgery
12,30 – 13,30 Lunch	
13,30 – 15,00 <i>Practical lecture 1</i>	Vincenzo Moscato, Università di Napoli Federico II Developing Virtual Reality Applications using Unity 3D
15,00 – 15,30 Coffee break	
15,30 – 17,00 <i>Practical lecture 1</i>	Vincenzo Moscato, Università di Napoli Federico II Developing Virtual Reality Applications using Unity 3D

Wednesday May 4th

Chair: Lucio Tommaso De Paolis

9,00 – 10,30 <i>Lecture 3</i>	Monica Bordegoni, Politecnico di Milano Multisensory user experience
10,30 – 11,00 Coffee break	
11,00 – 12,30 <i>Lecture 4</i>	Giuseppe Di Gironimo, Università di Napoli Federico II Virtual Reality applications in industrial engineering
12,30 – 13,30 Lunch	
13,30 – 15,00 <i>Practical lecture 2</i>	Salvatore Gerbino, Università della Campania Cross Reality application for training in the perception of risk in the operating room
15,00 – 15,30 Coffee break	
15,30 – 17,00 <i>Practical lecture 2</i>	Domenico Coccoresse, Università di Napoli Federico II Developing Augmented Reality Applications for mobile using Unity 3D
20,30 – 22,30 Social event: pizza party	

Thursday May 5th

Chair: Lucio Tommaso De Paolis

9,00 – 10,30 <i>Lecture 5</i>	Vincenzo Ferrari, EndoCAS Center Wearable Augmented Reality Displays to guide manual precision tasks
10,30 – 11,00 Coffee break	
11,00 – 12,30 <i>Lecture 6</i>	Mariolino De Cecco, Università di Trento eXtended Reality for clinical eye augmentation
12,30 – 13,30 Lunch	
13,30 – 15,00 <i>Project preparation</i>	
15,00 – 15,30 Coffee break	
15,30 – 17,00 <i>Project preparation</i>	

Friday May 6th

Chairs: Pasquale Arpaia, Lucio Tommaso De Paolis

9,00 – 10,30 <i>Lecture 7</i>	Andrea Tarallo, Università di Napoli Federico II <i>Augmented Reality in industry</i>
10,30 – 11,00 Coffee break	
11,00 – 12,30 <i>Lecture 8</i>	Antonio Emmanuele Uva, Politecnico di Bari <i>Exploiting AR interfaces: minimal AR</i>
12,30 – 13,30 Lunch	
13,30 – 15,00 <i>Project preparation</i>	
15,00 – 15,30 Coffee break	
15,30 – 17,00 <i>Project preparation</i>	

Saturday May 7th

Chair: Lucio Tommaso De Paolis

9,00 – 10,30 <i>Project presentation</i>	
10,30 – 11,00 Coffee break	
11,00 – 12,00 <i>Final exam</i>	
13,30 – 14,00 <i>School closing</i>	Pasquale Arpaia, Università di Napoli Federico II Lucio Tommaso De Paolis, Università del Salento