

Seasonal School: **ARTIFICIAL INTELLIGENCE AND ROBOTICS IN EXTENDED REALITY (AIRONE)**
 Anno accademico: 2023/2024
 Periodo: 10 giugno - 14 giugno 2024

	Start	End	Title	Teacher	Room	
June 10th, Monday [Introduction and basic principles of "extended" reality technologies (Virtual Reality, Augmented Reality and Mixed Reality)]	09:00	10:00	Introduction to the Seasonal School	Bergamasco	Aula 6 SSSA	
	10:00	11:00	Introduction to the Seasonal School	Bergamasco	Aula 6 SSSA	
	11:00	12:00	Fundamentals of 3D Graphics	Tecchia	Aula 6 SSSA	
	12:00	13:00	Fundamentals of 3D Graphics	Tecchia	Aula 6 SSSA	
	Lunch break					
	14:30	15:30	Fundamentals of Robotics	Solazzi	Aula 6 SSSA	
	15:30	16:30	Fundamentals of Robotics	Solazzi	Aula 6 SSSA	
	16:30	17:30	Fundamentals of Telerobotics	Porcini	Aula 6 SSSA	
17:30	18:30	Fundamentals of Telerobotics	Porcini	Aula 6 SSSA		

	Start	End	Title	Teacher	Room	
June 11th, Tuesday [Human-Robot Interaction, Telepresence, Teleoperation]	09:00	10:00	Virtual Reality and Augmented Reality	Carrozzino	Aula 6 SSSA	
	10:00	11:00	Virtual Reality and Augmented Reality	Carrozzino	Aula 6 SSSA	
	11:00	12:00	Virtual Reality and Augmented Reality	Carrozzino	Aula 6 SSSA	
	12:00	13:00	Virtual Reality and Augmented Reality	Carrozzino	Aula 6 SSSA	
	Lunch break					
	14:30	15:30	Wearable Robotics and Tactile Perception	Leonardis	Aula 6 SSSA	
	15:30	16:30	Wearable Robotics and Tactile Perception	Leonardis	Aula 6 SSSA	
	16:30	17:30	Laboratory of Tactile Perception	Leonardis	Aula 6 SSSA	
17:30	18:30	Laboratory of wearable robotics (part 1)	Camardella	Aula 6 SSSA		

	Start	End	Title	Teacher	Room	
June 12th, Wednesday [Applications]	09:00	10:00	Lab of Biomechanics and Human Behavioural Analysis	Filippeschi	Aula 6 SSSA	
	10:00	11:00	Lab of Biomechanics and Human Behavioural Analysis	Filippeschi	Aula 6 SSSA	
	11:00	12:00	Artificial Vision and Control Elements for Automation	Avizzano	Aula 6 SSSA	
	12:00	13:00	Artificial Vision and Control Elements for Automation	Avizzano	Aula 6 SSSA	
	Lunch break					
	14:30	15:30	Applications: Health	Filippeschi	Aula 6 SSSA	
	15:30	16:30	Applications: Transportation	Chiaradia	Aula 6 SSSA	
	16:30	17:30	Applications: Aerospace	Andreussi	Aula 6 SSSA	
17:30	18:30	Applications: Aerospace	Andreussi	Aula 6 SSSA		

	Start	End	Title	Teacher	Room	
June 13th, Thursday [Vision, Machine Learning and Artificial Intelligence; Vision and AI laboratory at IIM@CNR]	09:00	10:00	Artificial Vision and Control Elements for Automation	Avizzano	Blu Room @TeCIP	
	10:00	11:00	Artificial Vision and Control Elements for Automation	Avizzano	Blu Room @TeCIP	
	11:00	12:00	Applications: autonomous drones for agriculture and civil applications	Satler	Blu Room @TeCIP	
	12:00	13:00	Applications: autonomous drones for agriculture and civil applications	Satler	Blu Room @TeCIP	
	Lunch break					
	14:30	15:30	Artificial Intelligence for Automation and Control	Tripicchio	Blu Room @TeCIP	
	15:30	16:30	Artificial Intelligence for Automation and Control	Tripicchio	Blu Room @TeCIP	
	16:30	17:30	Applications: Intelligent Robotic Manipulation	D'Avella	Blu Room @TeCIP	
17:30	18:30	Applications: Intelligent Robotic Manipulation	D'Avella	Blu Room @TeCIP		

	Start	End	Title	Teacher	Room	
June 14th, Friday [Applications. Laboratory of teleoperation]	09:00	10:00	Wearable and Collaborative Robotics	Chiaradia	Aula 6 SSSA	
	10:00	11:00	Wearable and Collaborative Robotics	Chiaradia	Aula 6 SSSA	
	11:00	12:00	Physical Human-Robot Interaction and Multimodal Interfaces	Filippeschi	Aula 6 SSSA	
	12:00	13:00	Physical Human-Robot Interaction and Multimodal Interfaces	Filippeschi	Aula 6 SSSA	
	Lunch break					
	14:30	15:30	Laboratory of wearable robotics (part 2)	Chiaradia	Aula 6 SSSA	
	15:30	16:30	Laboratory of teleoperation	Porcini	Aula 6 SSSA	
	16:30	17:30	Laboratory of teleoperation	Porcini	Aula 6 SSSA	
17:30	18:30	Applications	Porcini	Aula 6 SSSA		

Prova di verifica per acquisizione crediti:	Colloquio a distanza organizzato nelle due settimane successive al termine del corso.
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