



DRIMS2

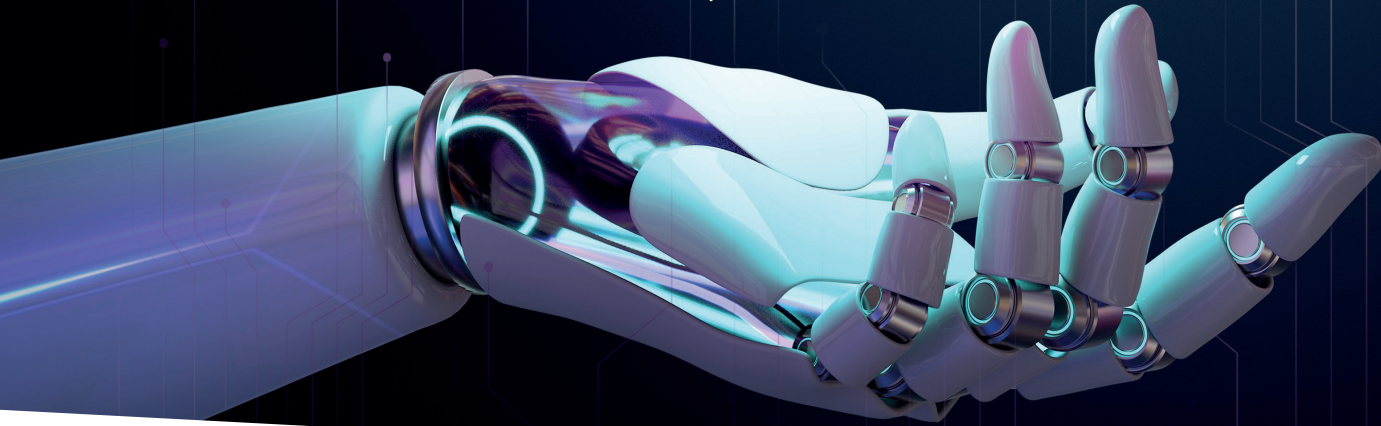


I-RIM
Italian Institute of Robotics
and Intelligent Machines

1st Doctoral Summer School on Robotics and Intelligent Machines

Volterra (Pisa, Italy)

Aug. 30 - Sep. 5, 2023



DRIMS2

We are pleased to invite PhD students to the 1st Doctoral Summer School on Robotics and Intelligent Machines - DRIMS2. The DRIMS2 initiative is connected to the national PhD program in Robotics and Intelligent Machines, which has been recently pioneered within the I-RIM framework. The topics of the school cover fundamental competences: robot design, sensing and perception, control and human robot interaction. Hands-on activities are an integral part of the educational program of the school and social activities are planned as well.

ACTIVITY: 52hrs (32hrs of Frontal Lessons and 20hrs of Hands On Activities)
Project work for awarding ECTS



Industry 4.0 Competence Center on
Advanced Robotics and
enabling digital Technologies
& Systems



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IEEE
Italy Section



IEEE Sensors Council
ITALY CHAPTER



EMB
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ASSOCIATION



ASME
SETTING THE STANDARD
ITALY SECTION

Project funded under the National Recovery and Resilience Plan (NRRP), Mission 4 Component 2 Investment 3.1 – Fund for the implementation of an integrated system of research and innovation infrastructures – of Italian Ministry of University and Research funded by the European Union – NextGenerationEU; Project identification code IR0000036, Concession Decree No. 3262 of 28/12/2021 adopted by the Italian Ministry of University and Research, CUP J13C22000400007, "Biorobotics Research and Innovation Engineering Facilities" (BRIEF).

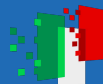
Cover image by Christopher White via Pixabay; other photos by Raffaele Piciché (ARTES 4.0) and ABB; graphic design by Irene Mannari



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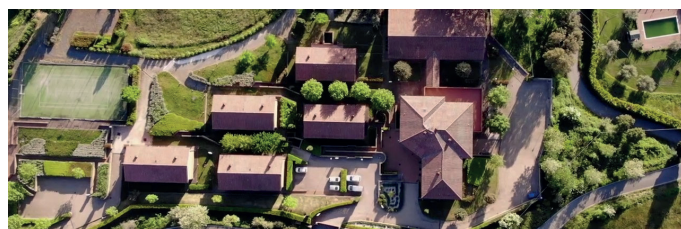
PROGRAM

Wed Aug 30th	Thu Aug 31st	Fri Sept 1st	Sat Sept 2nd	Sun Sept 3rd	Mon Sept 4th	Tue Sept 5th
	Robot design and actuators (G. Berselli)	Control and human centered robotics (A. Zanchettin, M. Bianchi)	Vision Sensing (M. Matteucci)	Free Time	Tactile Sensing (C. Oddo)	Project discussion (E. De Momi)
Course intro (C. Oddo, N. Pedrocchi)	Basic and advanced tutorials	Basic and advanced tutorials	Basic and advanced tutorials		Basic and advanced tutorials	
	Keynote (D. Floreano)	Keynote (A. De Luca)	Keynote (A. Del Bue)		Keynote (D. Prattichizzo)	
DRIM and basic and advanced tutorials (G. Cannata, N. Pedrocchi)	Supervised hands on	Supervised hands on	Supervised hands on	Supervised hands on	Supervised hands on	Awards (E. De Momi, C. Oddo)
Meet the leaders (P. Dario, A. Menciassi, G. Cannata, P. Fiorini, N. Pedrocchi)	I-RIM and Ethical, Legal, Societal, Economic Issues (A. Bicchi, A. Pini, M. Matteucci)	Research Methodology and Lab to Market (A. Bicchi, N. Bianchi, M. Cristofolini, C. Oddo)				

VENUE

Scuola Internazionale di Alta Formazione (SIAF), Volterra (Pisa, Italy)

The first Higher Education School in Italy with a Campus that can accommodate up to 200 guests offering accommodation, classrooms, recreation areas, services, didactic supports, SIAF is a real Learning Village.



REGISTRATION

The course is open to **students enrolled in the PhD program of national interest in Robotics and Intelligent Machines and/or in other relevant PhD programs** (local and international).

100 seats available, to be assigned by the Scientific Committee according to the chronological order of submission of applications and to the relevance of the PhD course the candidate is enrolled in.

APPLICATION DEADLINE
June 27, 2023

REGISTRATION



FEES

Didactic Fees	I-RIM Members	EELISA, BRIEF, ARTES 4.0, START 4.0, MEDITECH or MADE, IEEE Italy, ASME Italy Members	Others
	€ 375	€ 425	€ 475

Accommodation Fees	Early Reg. (by July 10)	Normal Reg. (by August 10)	On site (by August 30)
	€ 620	€ 690	€ 750

Scientific Committee and Lecturers

- Elena De Momi, Andrea Maria Zanchettin, Matteo Matteucci (POLIMI)
- Giovanni Berselli (UNIGE)
- Nicola Pedrocchi (CNR)
- Matteo Bianchi (UNIFI)
- Calogero Maria Oddo (SSSA)

Confirmed Invited Speakers

Dario Floreano, Alessandro De Luca, Alessio Del Bue, Domenico Prattichizzo, Angelika Peer, Paolo Dario, Antonio Bicchi, Arianna Menciassi, Giorgio Cannata, Paolo Fiorini, Alberto Pini, Nicola Bianchi, Michela Cristofolini

Tutors

Mariangela Filosa, Andrea Monguzzi, Stefano Angeli, Marco Baracca, Niccolò Lucci, Simone Mentasti, Stefano Mutti, Alessio Prini, Matteo Forlini, Fabrizia Auletta, Mario Baggetta, Emilio Ottonello, Loris Roveda, Chiara Lena

Administrative Staff

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Sponsored by

