Francesco Iodice

Curriculum Vitae

Current Position

- AI Research Fellow at the Logistics Division of Leonardo S.P.A. in Pomigliano (NA)

- Ph.D Candidate at Politecnico di Milano and the Human-Robot Interfaces and physical Interaction (HRII) laboratory of the Italian Institute of Technology (IIT).

Professional Address

Leonardo S.p.A.
Viale Dell'aeronautica SNC – 80038 Pomigliano D'arco (NA)
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Personal Address

Via Domenico Cirillo,30,81020, Caserta (CE)
E-mail: francesco.iod@hotmail.it
Telephone: +39 3665908364

Nationality

Italian

Education

2020-2023

Ph.D. (ongoing)
Politecnico di Milano - Dipartimento di Elettronica, Informazione e Bioingegneria
Main topic: Advanced Human-Robot interaction and Collaboration

2019

Master's Degree
M.Sc. in Engineering in Artificial Intelligence and Robotics
Sapienza Università di Roma - Dipartimento di Ingegneria Informatica, Automatica e Gestionale
Dissertation title: Model Predictive Control of a mobile robot in a dynamic environment
Final grade: 110/110

2014

Bachelor's Degree
Computer Engineering
Seconda Università di Napoli - Dipartimento di Ingegneria dell'Informazione
Dissertation title: Development of a domotic application with remote control based on Lego Mindstorms
Final grade: 94/110

2007

High School Diploma in scientific studies at Liceo Scientifico Federico Quercia, Marcianise (CE)
Final grade: 88/100

Languages	**Italian:** Native language
	English:BI level C2 Certificate in ESOL International (C2 CEFR) 86/100 Examination Number : BIEB - 0065107
Professional Experience	**Research Fellow**
February – May 2020	Istituto Italiano di Tecnologia (IIT)
	Human-Robot Interfaces and physical Interaction (HRII) laboratory
Participation in Research Funding Projects	**[1]** ERC-StG Ergo-Lean (Grant Agreement No. 850932)
	[2] European Union's Horizon 2020 research and innovation programme, SOPHIA (Grant Agreement No. 871237)
Publications	**[1]** "Learning Cooperative Dynamic Manipulation Skills from Human Demonstration Videos". **Francesco Iodice**, Yuqiang Wu, Wansoo Kim, Fei Zhao, Elena De Momi, and Arash Ajoudani. Mechatronics Journal 2022.
	[2] "HRI30: An Action Recognition Dataset for Industrial Human-Robot Interaction". **Francesco Iodice**, Elena De Momi, and Arash Ajoudani. International Conference on Pattern Recognition (ICPR) 2022.
	[3] "Sociable and Ergonomic Human-Robot Collaboration through Action Recognition and Augmented Hierarchical Quadratic Programming". **Francesco Iodice***, Francesco Tassi*, Elena De Momi, and Arash Ajoudani. IEEE Robotics and Automation Letters, IROS 2022 (In revisione)
Workshop	**[1]** "Residual-based interaction force estimation for haptic feedback in teleoperated needle insertion". D. Evangelista, F. Iodice, A. Perica, M. Cefalo, E. Magrini, M. Anzidei, M. Vendittelli. CRAS16, Workshop on Computer/Robot Assisted Surgery, University of Sant'Anna, Pisa.
Doctoral Schools	**[1]** Tohoku Engineering Summer Program (TESP) 2016. Aobayama Campus, Tohoku University, Sendai, JAPAN.
	[2] DeepLean 4th International School on Deep Learning 2021. Las Palmas de Gran Canaria, SPAIN.
	[3] MOBROB2022 - Summer School on Autonomous Mobile Robotics in the framework of Industry 4.0. Lecce, ITALY.
Certified Technical Skills	Deep Learning Specialization - Deeplearning.ai
	Generative Adversarial Networks(GANs)Specialization - Deeplearning.ai
Certified Communication Skills	Effective Communication Course at Assolombarda
	English for academic communication course at Politecnico di Milano
Other Skills	Dynamic person, used to working in a team and meeting even very tight deadlines. I have a flair for social relations and cross-cultural exchanges. I practice martial arts and dabble in the team Kata of Shotokan Karate.
License	A1, B
References	**Arash Ajoudani -** Tenured Senior Scientist presso l'Istituto Italiano di Tecnologia (IIT)
	Elena De Momi – Associate Professor in the electronic information and Bioengineering Department (DEIB) of Politecnico di Milano

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