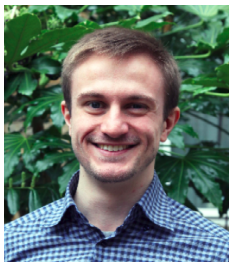
Francesco Semeraro
Department of Computer Science
Type of address: Visiting address.
Room 1.19, Kilburn Building
Oxford Rd
M13 9PL
Manchester
United Kingdom
Email: francesco.semeraro@manchester.ac.uk
Mobile: +44 7753 958455



Research interests

Human-Robot Collaboration, Human-Robot Interaction, Robotics, Deep learning, Reinforcement learning, Affective Computing

Qualifications

Master of Science, Robotics and Computation, University College London (UCL)
15 Sept 2018 → 2 Sept 2019
Award Date: 13 Nov 2020

Master of Science, Bionics Engineering, Scuola Superiore Sant'Anna The BioRobotics Institute
21 Sept 2015 → 3 May 2018
Award Date: 3 May 2018

Bachelor of Science, Electronic Engineering, Universita di Pisa
24 Sept 2012 → 22 Sept 2015
Award Date: 24 Sept 2015

Employment

Doctor of Philosophy, PhD Computer Science (48)
Department of Computer Science
The University of Manchester
3 Aug 2020 → present

Robotics Engineer
Fieldwork Robotics Ltd.
United Kingdom
20 Jan 2020 → 18 Sept 2020

Automation Engineer
Aidrivers Ltd.
United Kingdom
15 Oct 2018 → 8 Nov 2019

Researcher
Scuola Superiore Sant'Anna The BioRobotics Institute
Pisa, Italy
1 Jun 2018 → 30 Sept 2018

Prizes

"Vincenzo Tagliasco" Prize
Semeraro, Francesco (Recipient), 12 Sept 2018

1st Prize as Young Researcher
Semeraro, Francesco (Recipient), 2 Jul 2018

1st Prize in Engineers in Business Competition
Varasteh Kia, Golshid (Recipient), Semeraro, Francesco (Recipient), Podder, Shirsendu (Recipient) & Baron, Leone (Recipient), Jun 2019

RPL Summer School 2022
Semeraro, Francesco (Recipient), 19 Apr 2022

UKRI EPSRC/BAE Systems plc. DTP CASE Conversion Award "Human-robot collaboration for flexible manufacturing"
Semeraro, Francesco (Recipient), 1 Jun 2020

Research outputs

Towards Multi-User Activity Recognition through Facilitated Training Data and Deep Learning for Human-Robot Collaboration Applications
Semeraro, F., Carberry, J. & Cangelosi, A., 2 Aug 2023, *International Joint Conference on Neural Networks (IJCNN 2023).*

Simpler rather than Challenging: Design of Non-Dyadic Human-Robot Collaboration to Mediate Human-Human Concurrent Tasks
Semeraro, F., Carberry, J. & Cangelosi, A., 30 May 2023, *22nd International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2023), London.* Association for Computing Machinery

Unsupervised emotional state classification through physiological parameters for social robotics applications
Fiorini, L., Mancioppi, G., Semeraro, F., Fujita, H. & Cavallo, F., 29 Feb 2020, In: Knowledge-Based Systems. 190, 105217.

Mood classification through physiological parameters
Cavallo, F., Semeraro, F., Mancioppi, G., Betti, S. & Fiorini, L., 7 Dec 2019, In: Journal of Ambient Intelligence and Humanized Computing. p. 1-14

Physiological Wireless Sensor Network for the Detection of Human Moods to Enhance Human-Robot Interaction
Semeraro, F., Fiorini, L., Betti, S., Mancioppi, G., Santarelli, L. & Cavallo, F., 2 Jul 2019, *Lecture Notes in Electrical Engineering.* p. 361-376

Physiological sensor system for the detection of human moods towards internet of robotics thing applications
Fiorini, L., Semeraro, F., Mancioppi, G., Betti, S., Santarelli, L. & Cavallo, F., 17 Sept 2018, *Frontiers in Artificial Intelligence and Applications.* p. 967-980

Emotion Modelling for Social Robotics Applications: A Review
Cavallo, F., Semeraro, F., Fiorini, L., Magyar, G., Sincak, P. & Dario, P., 23 Mar 2018, In: Journal of Bionic Engineering. 15, 2, p. 185-203 18 p., 1.