

Nuno Ferreira Duarte

Curriculum vitae

CONTACT INFORMATION

Nuno Ferreira Duarte
Lisbon, Portugal

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EDUCATION

- 2014– Ph. D. student, Joint Ph. D. Degree in Robotics, Brain and Cognition,
Instituto Superior Técnico, University of Lisbon, Lisbon, Portugal,
and École polytechnique fédérale de Lausanne (EPFL), Switzerland
- 2016 M. Sc., Decision and Control & Robotics, Electrical and Computer Engineering,
Instituto Superior Técnico, University of Lisbon, Lisbon, Portugal
- 2014 B. Sc., Electrical and Computer Engineering, Instituto Superior Técnico,
University of Lisbon, Lisbon, Portugal

PROFESSIONAL EXPERIENCE

- 2019 Certificate of Proficiency in English (CPE), Cambridge
- 2015 Research Intern, Caltech, California
- 2011 Robotic's National Festival, Instituto Superior Técnico, Lisbon

PUBLICATIONS

- 2019 Biologically Inspired Controller of Human Action Behaviour for a Humanoid Robot in a Dyadic Scenario, *IEEE EUROCON*
- 2018 Action Alignment from Gaze Cues in Human-Human and Human-Robot Interaction, *European Conference on Computer Vision - ECCV 18 Workshop*
- 2018 A dataset of head and eye gaze during dyadic interaction task for modeling robot gaze behavior, *International Conference on Electromechanics and Robotics "Zavalishin's Readings"*
- 2018 Action Anticipation: Reading the Intentions of Humans and Robots, *IEEE Robotics and Automation Letters*
- 2018 GeeBot: A Robotic Platform for Refugee Integration, *ACM/IEEE International Conference on Human-Robot Interaction*
- 2018 Experiments with Vizzy as a Coach for Elderly Exercise, *ACM/IEEE International Conference on Human-Robot Interaction*

MANUSCRIPTS IN SUBMISSION

Learning Motor Resonance in Human-Human and Human-Robot Interaction with Coupled Dynamical Systems

MANUSCRIPTS IN PREPARATION

The Gaze Dialogue:

Non-verbal communication in Human-Human and Human-Robot Interaction

PRESENTATIONS

Conference talks

- 2018 "Studying the human behavior in dyadic interactions and applications to human-robot interactions", Mind Brain College in Lisbon, Portugal. November 14–15.
- 2018 "Action Alignment from Gaze Cues in Human-Human and Human-Robot Interaction", The Conference in Munique, Germany. September 8–14.
- 2018 "Studying the human behavior in dyadic interactions and applications to human-robot interactions", LARSys Meeting in Lisbon, Portugal. June 14–15.
- 2018 "A dataset of head and eye gaze during dyadic interaction task for modeling robot gaze behavior", The Conference in Saint Petersburg, Russia. April 18–21.
- 2018 "GeeBot: A Robotic Platform for Refugee Integration", The Conference in Chicago, USA. March 5–8.
- 2018 "Experiments with Vizzy as a Coach for Elderly Exercise", The Conference in Chicago, USA. March 5–8.

Departmental talks

- 2019 Vislab, Institute Systems and Robotics (ISR), University of Lisbon. March 12. "A Dataset Design for Human-Human and Human-Robot Collaboration"
- 2019 Vislab, Institute Systems and Robotics (ISR), University of Lisbon. January 29. "On going work of my Ph.D."
- 2018 LASA, EPFL, Lausanne, Switzerland. September 21. "Studying the human non-verbal communication behavior in dyadic interactions and applications to human-robot interactions"
- 2018 Vislab, Institute Systems and Robotics (ISR), University of Lisbon. September 4. "Action Alignment from Gaze Cues in Human-Human and Human-Robot Interaction"
- 2018 Vislab, Institute Systems and Robotics (ISR), University of Lisbon. May 8. "A Dataset of Head and Eye Gaze during Dyadic Interaction Task For Modeling Robot Gaze Behavior"
- 2018 Vislab, Institute Systems and Robotics (ISR), University of Lisbon. January 16. "GeeBot - A robotic platform for refugee integration"
- 2017 Vislab, Institute Systems and Robotics (ISR), University of Lisbon. October 17. "Action Anticipation: Reading the Intentions of Humans and Robots"
- 2017 Vislab, Institute Systems and Robotics (ISR), University of Lisbon. March 28. "Facilitating Intention Prediction for Humans by Optimizing Robot Motions"

PROFESSIONAL SERVICE

- 2019 Reviewer for IEEE/RSJ International Conference on Intelligent Robots and Systems
- 2018 Reviewer for IEEE International Conference on Robotics and Automation
- 2018 Reviewer for Journal of Frontiers in Robotics and AI
- 2018 Reviewer for IEEE International Conference on Robotics and Automation
- 2017 Reviewer for IEEE International Symposium on Intelligent Systems and Informatics
- 2017 Reviewer for IEEE International Conference on Advanced Intelligent Mechatronics

COMPUTER SKILLS

Programming

Python, Matlab, C++

Software development

Linux, Ubuntu, GitHub, Pupil, OptiTrack, YARP, ROS

LANGUAGES

Portuguese (Native)

English (Native) - CPE Cambridge

Spanish (Elementary)

REFERENCES

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