



Georgios Angelopoulos, PhD

Education

UNIVERSITY OF NAPLES FEDERICO II, ITALY

2021-2025

PhD Degree in Human-Robot Interaction

POMPEU FABRA UNIVERSITY, SPAIN

2019-2020

MSc Degree in Intelligent Interactive Systems

UNIVERSITY OF WESTERN MACEDONIA, GREECE

2012-2019

Diploma in Informatics and Telecommunications Engineering

Professional Experience

EU H2020 - PERSEO RESEARCH PROJECT, EUROPEAN UNION

01/09/2021 - 01/09/2024

Marie Skłodowska-Curie Early Stage Researcher

BIELEFELD UNIVERSITY, GERMANY

15/01/2024 - 15/03/2024

Visiting Researcher

UNIVERSITY OF MANCHESTER, UNITED KINGDOM

01/04/2023 - 01/06/2023

Visiting Researcher

HELLENIC ARMY, GREECE

09/11/2020 - 09/08/2021

Software Engineer

TELECOMMUNICATIONS TECHNOLOGICAL CENTER OF CATALONIA, SPAIN

01/06/2017 - 01/08/2017

Research Assistant - Internship

HYPERION ROBOTICS, GREECE

01/09/2014 - 01/02/2018

Founder & Team Leader

Publications

MONOGRAPHS

- M1. **Angelopoulos Georgios**. Transparent Robot Behaviours in Human-Robot Interaction. PhD thesis, University of Naples Federico II, February 2025.

PEER-REVIEWED JOURNALS

- J4. **Angelopoulos Georgios**, Lacroix Dimitri, Wullenkord Ricarda, Rossi Alessandra, Rossi Silvia, and Eyssel Friederike; "Measuring Transparency in Intelligent Robots." Submitted to Nature Scientific Reports, 2025.
- J3. **Angelopoulos Georgios**, Hellou Mehdi, Vinanzi, Samuele, Rossi Alessandra, Rossi Silvia, and Cangelosi, Angelo. "Robot, did you read my mind? Modelling Human Mental States to Facilitate Transparency and Mitigate False Beliefs in Human-Robot Collaboration." Submitted to ACM Transactions in Human-Robot Interaction, 2025.
- J2. **Angelopoulos Georgios**, Luigi Mangiacapra, Alessandra Rossi, Claudia Di Napoli, and Silvia Rossi. "What is Behind the Curtain? Increasing Transparency in Reinforcement Learning with Human Preferences and Explanations." Engineering Applications of Artificial Intelligence 149 (2025): 110520.
- J1. **Angelopoulos Georgios**, Nikolaos Baras, and Minas Dasygenis. "Secure autonomous cloud-brained humanoid robot assisting rescuers in hazardous environments." Electronics 10, no. 2 (2021): 124.

PEER-REVIEWED CONFERENCE PROCEEDINGS

- C8. **Angelopoulos Georgios**, Rossi, Alessandra, and Rossi, Silvia. "Robot behaviours for transparent human-robot interaction." In: 2023 I-RIM Conference. pp. 186-188. I-RIM, 2023.
- C7. **Angelopoulos Georgios**, and Vladimir Estivill-Castro. "Human-Robot Dialogue that Elicits The Alignment of Moral Principles For Driverless Vehicles." In *Companion of the 2024 ACM/IEEE International Conference on Human-Robot Interaction*, pp. 196-200. 2024.
- C6. **Angelopoulos Georgios**, Pasquale Imparato, Alessandra Rossi, and Silvia Rossi. "Using Theory of Mind in Explanations for Fostering Transparency in Human-Robot Interaction." In *International Conference on Social Robotics*, pp. 394-405. Singapore: Springer Nature Singapore, 2023.
- C5. **Angelopoulos Georgios**, Carmine Di Martino, Alessandra Rossi, and Silvia Rossi. "Unveiling the learning curve: enhancing transparency in robot's learning with inner speech and emotions." In 2023 32nd IEEE International Conference on

Robot and Human Interactive Communication (RO-MAN), pp. 1922-1927. IEEE, 2023.

C4. **Angelopoulos Georgios**, Alessandra Rossi, Gianluca L'Arco, and Silvia Rossi. "Transparent Interactive Reinforcement Learning Using Emotional Behaviours." In Social Robotics: 14th International Conference, ICSR 2022, Florence, Italy, December 13-16, 2022, Proceedings, Part I, pp. 300-311. Cham: Springer Nature Switzerland, 2023.

C3. **Angelopoulos Georgios**, Alessandra Rossi, Claudia Di Napoli, and Silvia Rossi. "You Are In My Way: Non-verbal Social Cues for Legible Robot Navigation Behaviors." In 2022 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), pp. 657-662. IEEE, 2022.

C2. **Angelopoulos Georgios**, Francesco Vigni, Alessandra Rossi, Giuseppina Russo, Mario Turco, and Silvia Rossi. "Familiar Acoustic Cues for Legible Service Robots." In 2022 31st IEEE International Conference on Robot and Human Interactive Communication (RO-MAN), pp. 1187-1192. IEEE, 2022.

C1. **Angelopoulos Georgios**, Georgios Theodoros Kalampokis, and Minas Dasygenis. "An internet of things humanoid robot teleoperated by an open source Android application." In 2017 Panhellenic Conference on Electronics and Telecommunications (PACET), pp. 1-4. IEEE, 2017.

Teaching Experience

Guest lecturer at Bielefeld University (2024): Perceived Transparency in Human-Robot Interaction.

Teaching assistant at the University of Naples Federico II (2021-2024): Methods for Artificial Intelligence, Human-Robot Interaction.

Supervision and Mentoring Experience

Luigi Mangiacapra. Apprendimento automatico del comportamento di un robot tramite meccanismi di shielding per migliorare la trasparenza. BSc thesis, co-supervised with Prof. Silvia Rossi. University of Naples Federico II.

Pasquale Imparato. Computational Models Evaluate the System Performance When Providing or Not Providing Explanations and Continuously Monitor the Behavioral State of Human Partners. BSc thesis, co-supervised with Prof. Silvia Rossi. University of Naples Federico II.

Carmine Di Martino. Enhancing Transparency in Reinforcement Learning with Inner Speech and Emotions. BSc thesis, co-supervised with Prof. Silvia Rossi. University of Naples Federico II.

Other Academic Activities

LOCAL ORGANISER

- 2022 31st IEEE International Conference on Robot and Human Interactive Communication (RO-MAN).

WORKSHOP CHAIR

- Workshop on Robot Learning in Athletics at CoRL 2023, in collaboration with Georgia Institute of Technology.
- Social Robots Personalisation: At the Crossroads between Engineering and Humanities at HRI 2023, in collaboration with various European Universities.

CONFERENCE REVIEWER

- IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)
- IEEE International Conference on Robotics and Automation (ICRA)
- IEEE International Conference on Robot and Human Interactive Communication (RO-MAN).
- ACM/IEEE International Conference on Human-Robot Interaction (HRI)
- International Conference on Ubiquitous Robots (UR).
- International Conference on Social Robotics (ICSR).

JOURNAL REVIEWER

- ACM Transactions on Human-Robot Interaction.
- International Journal of Social Robotics.
- Robotics and Autonomous Systems
- Frontiers in Robotics and AI
- IEEE ACCESS.

Honours and Awards

WORLD ROBOT OLYMPIAD, INDIA 2016 (UNIVERSITY CATEGORY)

1st place in Greece, 28th place in World.

WORLD ROBOT OLYMPIAD, QATAR 2015 (UNIVERSITY CATEGORY)

1st place in Greece, 1st in Europe, 19th place in World.

Award from the Greek Prime Minister and Federation of Hellenic Information Technology & Communications Enterprises for participating in the World Robot Olympiad.

Languages

FOREIGN LANGUAGE

English (C2), Italian (A2)

MOTHER TONGUE

Greek