

Curriculum vitae

“Ai fini della pubblicazione”

Nome e cognome: SARA KASZUBA

Educazione

- *2020 - Attuale* – Studentessa di Dottorato in Ingegneria Informatica
- *Settembre 2023* – Partecipazione alla “4th Summer School on Social Human-Robot Interaction” in Checiny, Poland
- *Dicembre 2021* – Certificato Professionale in “Human-Robot Interaction” rilasciato dall’Università di Canterbury, Nuova Zelanda
- *Febbraio 2021* – Certificato del corso di perfezionamento in “Interaction in Virtual and Augmented Reality” rilasciato dall’Università di Genova, Italia
- *2018 - 2020* – Laurea Magistrale in “Artificial Intelligence and Robotics” conseguita all’Università di Roma “Sapienza”, Italia, con votazione 110/110 e lode
Titolo tesi: “3D City Reconstruction from OpenStreetMap data”
Relatore: Prof. Fabio Pellacini
- *2015 - 2018* – Laurea Triennale in Informatica conseguita all’Università di Roma “Sapienza”, Italia, con votazione 110/110
Titolo tesi: “Il robot RoboCare e la costruzione di mappe semantiche”
Relatore: Prof. Daniele Nardi

Riconoscimenti

- *Giugno 2021*: Vincitrice della borsa di studio per la ricerca
- *Gennaio 2021*: Vincitrice di una PhD Fellowship di 4 mesi
- *Ottobre 2020*: Diploma del Percorso di Eccellenza in Artificial Intelligence and Robotics

Abilità personali

Lingue:

- Italiano (madrelingua);
- Polacco (madrelingua);
- Inglese (scritto e parlato);
- Francese (lettura e comprensione)

Competenze:

- Esperienza con programmi di programmazione come Python, C++, Java
- Esperienza con framework di deep learning come TensorFlow, Keras, PyTorch
- Esperienza con linguaggi di markup e formattazione come HTML, CSS
- Esperienza con GitHub, Latex e Microsoft Office
- Esperienza con software di 3D computer graphics software come Blender
- Uso giornaliero di Unix/Linux e ROS (Robot Operating System)

Pubblicazioni Scientifiche

1. **Sara Kaszuba**, Sandeep Reddy Sabbella, Vincenzo Suriani, Francesco Riccio, Daniele Nardi, “*RoSmEery: Robotic Simulated Environment for Evaluation and Benchmarking of Semantic Mapping Algorithms*”, in Autonomous Robots and Multirobot Systems, Workshop at AAMAS 2021 (ARMS 2021).
2. Vincenzo Suriani, **Sara Kaszuba**, Sandeep Reddy Sabbella, Francesco Riccio, Daniele Nardi, “*S-AVE: Semantic Active Vision Exploration and Mapping of Indoor Environments for Mobile*”

- Robots*", in 2021 European Conference on Mobile Robots (ECMR), Bonn, Germany, 2021, pp. 1-8.
3. **Sara Kaszuba**, Francesco Leotta, Daniele Nardi, "*A Preliminary Study on Virtual Reality Tools in Human-Robot Interaction*", in International Conference on Augmented Reality, Virtual Reality, and Computer Graphics (AVR 2021), Salento, Italy. Lecture Notes in Computer Science, vol 12980, in Springer, Cham.
 4. **Sara Kaszuba**, Sandeep Reddy Sabbella, Francesco Leotta, Pascal Serrarens, Daniele Nardi, "*Testing Human-Robot Interaction in Virtual Reality: Experience from a Study on Speech Act Classification*", in International Workshop on Virtual, Augmented and Mixed-Reality for Human-Robot Interaction (VAM-HRI 2023) at HRI 2023, Stockholm, Sweden.
 5. Sandeep Reddy Sabbella, **Sara Kaszuba**, Francesco Leotta, Pascal Serrarens, Daniele Nardi, "*Evaluating Gesture Recognition in Virtual Reality*", in International Workshop on YOUR study design! Participatory critique and refinement of participants' studies (WYSD 2023) at HRI 2023, Stockholm, Sweden.
 6. Frank Foerster, Marta Romeo, Patrick Holthaus, Luke Wood, Christian Dondrup, Fischer Joel E., Liza Farhana Ferdousi, **Sara Kaszuba**, Julian Hough, Birthe Nettet, Hernández García Daniel, Dimosthenis Kontogiorgos, Jennifer Williams, Özkan Elif Ecem, Pepita Barnard, Gustavo Berumen, Dominic Price, Sue Cobb, Martina Wiltschko, Lucien Tisserand, Martin Porcheron, Manuel Giuliani, Gabriel Skantze, Patrick Healey, Ioannis Papaioannou, Dimitra Gkatzia, Saul Albert and Guanyu Huang, "*Working with Troubles and Failures in Conversation between Humans and Robots: Workshop Report*", in *Frontiers in Robotics and AI*.
 7. **Sara Kaszuba**, Sandeep Reddy Sabbella, Francesco Leotta, Daniele Nardi, "*Speech Act Classification in Collaborative Robotics*", 32nd IEEE International Conference on Robot & Human Interactive Communication (RO-MAN 2023), Busan, South Korea.
 8. Sandeep Reddy Sabbella, **Sara Kaszuba**, Francesco Leotta, Daniele Nardi, "*Virtual Reality Applications for Enhancing Human-Robot Interaction: A Gesture Recognition Perspective*", in ACM International Conference on Intelligent Virtual Agents (ACM-IVA 2023), Würzburg, Germany.
 9. **Sara Kaszuba**, Julien Caposiena, Sandeep Reddy Sabbella, Francesco Leotta, Daniele Nardi, "*Empowering Collaboration: A Pipeline for Human-Robot Spoken Interaction in Collaborative Scenarios*", in 15th International Conference on Social Robots (ICSR 2023), Doha, Qatar.
 10. Sandeep Reddy Sabbella, **Sara Kaszuba**, Francesco Leotta, Daniele Nardi, "*Gesture Recognition for Human-Robot Interaction through Virtual Characters*", in 15th International Conference on Social Robots (ICSR 2023), Doha, Qatar.