

Federico Vasile

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EDUCATION

Istituto Italiano di Tecnologia <i>Postdoc</i>	Genoa, Italy <i>May 2025 - Current</i>
University of California, San Diego <i>Visiting PhD Student</i>	San Diego, CA <i>May 2024 - Oct. 2024</i>
Istituto Italiano di Tecnologia <i>PhD in Bioengineering and Robotics</i>	Genoa, Italy <i>May 2021 - Apr. 2025</i>
Politecnico di Torino <i>MS in Computer Engineering and Data Science</i>	Turin, Italy <i>Oct. 2018 - Apr. 2021</i>
Università degli Studi Roma Tre <i>BS in Computer Engineering</i>	Rome, Italy <i>Sept. 2014 - Sept. 2018</i>

PUBLICATIONS & PREPRINTS

- Gaussian-Augmented Physics Simulation and Identification with Complex Colliders**
Federico Vasile, Ri-Zhao Qiu, Lorenzo Natale, Xiaolong Wang
Submitted
- HannesImitation: Grasping with the Hannes Prosthetic Hand via Imitation Learning**
Carlo Alessi, Federico Vasile, Federico Ceola, Giulia Pasquale, Nicolò Boccardo, Lorenzo Natale
IROS 2025
- Bring Your Own Grasp Generator: Leveraging Robot Grasp Generation for Prosthetic Grasping**
Giuseppe Stracquadanio, Federico Vasile, Elisa Maiettini, Nicolò Boccardo, Lorenzo Natale
ICRA 2025
- Continuous Wrist Control on the Hannes Prosthesis: a Vision-based Shared Autonomy Framework**
Federico Vasile, Elisa Maiettini, Giulia Pasquale, Nicolò Boccardo, Lorenzo Natale
ICRA 2025
- Grasp Pre-shape Selection by Synthetic Training: Eye-in-hand Shared Control on the Hannes Prosthesis**
Federico Vasile, Elisa Maiettini, Giulia Pasquale, Nicolò Boccardo, Lorenzo Natale
IROS 2022

PROFESSIONAL ACTIVITIES

Conference Reviewer: *ICRA, IROS*

Journal Reviewer: *RA-L*