



Mario Selvaggio

Robotist

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CURRENT EMPLOYMENT

Post-doc at [Università degli Studi di Napoli Federico II](#), department of [Electrical Engineering and Information Technology](#), [PRISMA Lab](#) and [ICAROS](#) center. Supervisor: [Prof. Bruno Siciliano](#).

Co-founder at [BeyondShape](#) - Spin-off company of the University of Naples Federico II.

Co-founder at [Herobots](#) - Spin-off company of the University of Naples Federico II.

EDUCATION

Feb. 2017 - Feb. 2020	Ph.D. (Doctor Europaeus) in Information Technology and Electrical Engineering Università degli Studi di Napoli Federico II Thesis: Shared control telerobotic methods for industrial and surgical robotic systems.
Jan. 2013 - Apr. 2015	M. Sc. in Mechanical Engineering Università degli Studi di Napoli Federico II Thesis: Interactive simulation of kinematic and dynamic chains and their coupling with deformable bodies.
Sep. 2009 - Jan. 2013	B. Sc. in Mechanical Engineering Università degli Studi di Napoli Federico II Thesis: L'espressione dell'incertezza nella misura.

RESEARCH INTERESTS

- Haptic-based shared control teleoperation
- Robotic grasping and manipulation
- Passivity-based control
- Soft-robotics
- Robotic surgery

RESEARCH AND PROFESSIONAL EXPERIENCES

Jun. 2019 - Nov. 2019	Visiting student at University of California Santa Barbara department of Mechanical Engineering - Hawkes group , Santa Barbara, California (US). Work topic: shared control teleoperation of a soft growing robot.
Oct. 2018 - Dec. 2018	Visiting student at Rainbow Team - IRISA, INRIA Rennes - Bretagne Atlantique Campus Universitaire de Beaulieu, Rennes (France). Work topic: task-prioritized shared control teleoperation of a robotic system.

- Nov. 2017 - Dec. 2017 | **Visiting student** at [Équipe de Recherche Lagadic](#) (now [Rainbow Team](#)) - IRISA, INRIA Rennes - Bretagne Atlantique Campus Universitaire de Beaulieu, Rennes (France).
Work topic: haptic guidance and shared control teleoperation of a dual arm robotic system.
- Oct. 2015 - Sep. 2016 | **Intern** at [ADVanced Robotics](#) department, Istituto Italiano di Tecnologia, Genova (Italy).
Member of the [AutoMAP](#) team working on the EU FP7 [EuRoC](#) project. Work topic: haptic feedback teleoperation for robotic mobile manipulation.
- Apr. 2014 - Sep. 2014 | **Master thesis student** at department of [Interactive Engineering Technologies](#), Fraunhofer IGD, Darmstadt (Germany). Thesis topic: modeling and simulation of kinematic chains for deformable bodies animation.

GRANTS, SCHOLARSHIPS, AWARDS AND MEDIA COVERAGE

Grants

- 2018 | **Innovation in Haptics by Young Researchers** - research grant for the project “Haptic guidance methods for robotic surgery”.

Scholarships

- 2018 | **Coinor Unina Star 2018 Linea 2** - 6-months scholarship spent at the UCSB for the project “EVERTE: EVerSive Robot TEleoperation”.
- 2017 | **Erasmus+ Traineeship Universities for EU projects** - 2-months scholarship spent at IRISA, INRIA Rennes.
- 2014 | **LLP - Erasmus Placement Traineeship** - 5-months scholarship.

Awards

- 2021 | **I-RAS “Fabrizio Flacco” Young Author Best Paper Award 2021 finalist** - for the paper “A shared-control teleoperation architecture for nonprehensile object transportation” published in the IEEE Transactions on Robotics
- 2019 | **Start Cup Campania** - Spin-Off Company BeyondShape - Awarded first prize
- 2019 | **Switch 2 Product - Innovation in Bioengineering program** - of the Sixth National Congress of Bioengineering - Awarded second prize
- 2017 | **IEEE-RAS 1st Robotics Made in Italy video contest** - Awarded second prize ([video](#))

Media Coverage

- 2021 | **IEEE Spectrum Automaton Blog** - featured the video of the paper “A shared-control teleoperation architecture for nonprehensile object transportation” published in the IEEE Transactions on Robotics

PUBLICATIONS

Journal articles

- J1: **M. Selvaggio**, M. Cagnetti, S. Nikolaidis, S. Ivaldi, B. Siciliano, “Autonomy in physical human-robot interaction: a brief survey,” *IEEE Robotics and Automation Letters*, Vol. 6, no. 4, Pages: 7989-7996, Oct. 2021, DOI: [10.1109/LRA.2021.3100603](https://doi.org/10.1109/LRA.2021.3100603).

Also selected for presentation at 2021 IEEE/RSJ International Conference on Intelligent Robots and Systems, Prague, Czech Republic (virtual).

- J2: **M. Selvaggio**, J. Cacace, C. Pacchierotti, F. Ruggiero, P. Robuffo Giordano, “A shared-control teleoperation architecture for nonprehensile object transportation,” *IEEE Transactions on Robotics*, (in press), DOI: [10.1109/TRO.2021.3086773](https://doi.org/10.1109/TRO.2021.3086773).
- J3: S. Grazioso, A. Tedesco, **M. Selvaggio**, S. Debei, S. Chiodini, “Towards the development of a cyber-physical measurement system (CPMS): case study of a bioinspired soft growing robot for remote measurement and monitoring applications,” *ACTA IMEKO*, Vol. 10, No 2, Pages: 104–110, 2021, DOI: [10.21014/acta_imeko.v10i2.1123](https://doi.org/10.21014/acta_imeko.v10i2.1123).
- J4: H. Liu, **M. Selvaggio**, P. Ferrentino, R. Moccia, S. Pirozzi, U. Bracale, F. Ficuciello, “The MUSHA hand II: a multi-functional hand for robot-assisted laparoscopic surgery,” *IEEE/ASME Transaction on Mechatronics*, Vol. 26, no. 1, Pages: 393-404, 2020, DOI: [10.1109/TMECH.2020.3022782](https://doi.org/10.1109/TMECH.2020.3022782).
- J5: M. H. Hamedani, M. Zekri, F. Sheikholeslam, **M. Selvaggio**, F. Ficuciello, B. Siciliano, “Recurrent fuzzy wavelet neural network variable impedance control of robotic manipulators with fuzzy gain dynamic surface in an unknown varied environment,” *Fuzzy Sets and Systems*, Vol. 416, Pages: 1–26, 2021, DOI: [10.1016/j.fss.2020.05.001](https://doi.org/10.1016/j.fss.2020.05.001).
- J6: G. A. Fontanelli, **M. Selvaggio**, M. Ferro, F. Ficuciello, M. Vendittelli, B. Siciliano, “Portable dVRK: an augmented V-REP simulator of the da Vinci Research Kit,” *Acta Polytechnica Hungarica*, Vol. 16, no. 8, Pages: 79–98, Sept. 2019.
- J7: **M. Selvaggio**, G. A. Fontanelli, V. R. Marrazzo, U. Bracale, A. Irace, G. Breglio, L. Villani, B. Siciliano, F. Ficuciello, “The MUSHA underactuated hand for robot-aided minimally invasive surgery,” *International Journal of Medical Robotics and Computer Assisted Surgery*, Vol. 15, no. 3, Pages: e1981, Jan. 2019, DOI: [10.1002/rcs.1981](https://doi.org/10.1002/rcs.1981).
- J8: F. Chen, **M. Selvaggio**, D. G. Caldwell, “Dexterous grasping by manipulability selection for mobile manipulator with visual guidance,” *IEEE Transactions on Industrial Informatics*, Vol. 15, no. 2, Pages: 1202-1210, Feb. 2019, DOI: [10.1109/TII.2018.2879426](https://doi.org/10.1109/TII.2018.2879426).
- J9: **M. Selvaggio**, F. Abi-Farraj, C. Pacchierotti, P. Robuffo Giordano, B. Siciliano, “Haptic-based shared-control methods for a dual-arm system,” *IEEE Robotics and Automation Letters*, Vol. 3, no. 4, Pages: 4249-4256, Oct. 2018, DOI: [10.1109/LRA.2018.2864353](https://doi.org/10.1109/LRA.2018.2864353).
- Also selected for presentation at 2018 IEEE/RSJ International Conference on Intelligent Robots and Systems, Madrid, Spain.
- J10: **M. Selvaggio**, G. A. Fontanelli, F. Ficuciello, L. Villani, B. Siciliano, “Passive virtual fixtures adaptation in minimally invasive robotic surgery,” *IEEE Robotics and Automation Letters*, Vol. 3, no. 4, Pages: 3129-3136, Oct. 2018, DOI: [10.1109/LRA.2018.2849876](https://doi.org/10.1109/LRA.2018.2849876).
- Also selected for presentation at 2018 IEEE/RSJ International Conference on Intelligent Robots and Systems, Madrid, Spain.
- J11: G. A. Fontanelli, **M. Selvaggio**, L. R. Buonocore, F. Ficuciello, L. Villani, B. Siciliano, “A new laparoscopic instrument with in-hand rolling capabilities for needle re-orientation,” *IEEE Robotics and Automation Letters*, Vol. 3, no. 3, Pages: 2354-2361, July 2018, DOI: [10.1109/LRA.2018.2809443](https://doi.org/10.1109/LRA.2018.2809443).
- Also selected for presentation at 2018 IEEE International Conference on Robotics and Automation, Brisbane, Australia.
- J12: R. Signore, S. Grazioso, A. Fariello, F. Murgia, **M. Selvaggio**, G. Di Gironimo, “Conceptual design and control strategy of a robotic cell for precision assembly in radar antenna systems,” *Procedia Manufacturing*, Vol. 11, Pages: 397-404, 2017, DOI: [10.1016/j.promfg.2017.07.123](https://doi.org/10.1016/j.promfg.2017.07.123).
- J13: S. Grazioso, **M. Selvaggio**, G. Di Gironimo, “Design and development of a novel body scanning system for healthcare applications,” *International Journal on Interactive Design and Manufacturing*, Vol. 12, Pages:

- J14: G. Notomista, **M. Selvaggio**, F. Sbrizzi, G. Di Maio, S. Grazioso, M. Botsch, “A fast airplane boarding strategy using online seat assignment based on passenger classification,” *Journal of Air Transport Management*, Vol. 53, Pages 140-149, June 2016, DOI: [10.1016/j.jairtraman.2016.02.012](https://doi.org/10.1016/j.jairtraman.2016.02.012).

Conference papers

- C1: E. Cuniato, J. Cacace, **M. Selvaggio**, F. Ruggiero, V. Lippiello, “A hardware-in-the-loop simulator for physical human-aerial manipulator cooperation,” *Proceedings of the 2021 20th International Conference on Advanced Robotics*, Pages: 830-835, Ljubljana, Slovenia (virtual), 2021, DOI: [10.1109/ICAR53236.2021.9659398](https://doi.org/10.1109/ICAR53236.2021.9659398).
- C2: S. Grazioso, A. Tedesco, **M. Selvaggio**, S. Debei, S. Chiodini, E. De Benedetto, G. Di Gironimo, A. Lanzotti, “Design of a soft growing robot as a practical example of cyber–physical measurement systems,” *Proceedings of the 2021 IEEE International Workshop on Metrology for Industry 4.0 & IoT*, Pages: -, Rome, Italy, 2021, DOI: [10.1109/MetroInd4.0IoT51437.2021.9488477](https://doi.org/10.1109/MetroInd4.0IoT51437.2021.9488477).
- C3: **M. Selvaggio**, L. A. Ramirez, B. Siciliano, E. W. Hawkes, “An obstacle-interaction planning method for navigation of actuated vine robots,” *Proceedings of the 2020 IEEE International Conference on Robotics and Automation*, Pages: 3227-3233, Paris, France, 2020 (virtual), DOI: [10.1109/ICRA40945.2020.9196587..](https://doi.org/10.1109/ICRA40945.2020.9196587..)
- C4: G. Notomista, S. Mayya, **M. Selvaggio**, M. Santos, C. Secchi, “A set-theoretic approach to multi-task execution and prioritization,” *Proceedings of the 2020 IEEE International Conference on Robotics and Automation*, Pages: 9873-9879, Paris, France, 2020 (virtual), DOI: [10.1109/ICRA40945.2020.9196741](https://doi.org/10.1109/ICRA40945.2020.9196741).
- C5: M. H. Hamedani, **M. Selvaggio**, M. Rahimkhani, F. Ficuciello, H. Sadeghian, M. Zekri, F. Sheikholeslam, “Robust dynamic surface control of da Vinci robot manipulator considering uncertainties: A fuzzy-based approach,” *Proceedings of the 2019 7th International Conference on Robotics and Mechatronics*, Pages: 418-423, Tehran, Iran, November 20-21, 2019, DOI: [10.1109/ICRoM48714.2019.9071876](https://doi.org/10.1109/ICRoM48714.2019.9071876).
- C6: **M. Selvaggio**, A. M. Ghalamzan E., R. Moccia, F. Ficuciello, B. Siciliano, “Haptic-guided shared control for needle grasping optimization in minimally invasive robotic surgery,” *Proceedings of the 2019 IEEE/RSJ International Conference on Intelligent Robots and Systems*, Pages: 3617-3623, Macau, China, November 3-8, 2019, DOI: [10.1109/IROS40897.2019.8968109](https://doi.org/10.1109/IROS40897.2019.8968109).
- C7: R. Moccia, **M. Selvaggio**, L. Villani, B. Siciliano, F. Ficuciello, “Vision-based virtual fixtures generation for robotic-assisted polyp dissection procedures,” *Proceedings of the 2019 IEEE/RSJ International Conference on Intelligent Robots and Systems*, Pages: 7934-7939, Macau, China, November 3-8, 2019, DOI: [10.1109/IROS40897.2019.8968080](https://doi.org/10.1109/IROS40897.2019.8968080).
- C8: S. Grazioso, T. Caporaso, **M. Selvaggio**, D. Panariello, R. Ruggiero, G. Di Gironimo , “Using photogrammetric 3D body reconstruction for the design of patient–tailored assistive devices,” *Proceedings of the IEEE International Workshop on Metrology for Industry 4.0 and IoT*, -, Naples, Italy, June, 2019, DOI: [10.1109/METROI4.2019.8792894](https://doi.org/10.1109/METROI4.2019.8792894).
- C9: **M. Selvaggio**, P. Robuffo Giordano, F. Ficuciello, B. Siciliano, “Passive task-prioritized shared control teleoperation with haptic guidance,” *Proceedings of the 2019 IEEE International Conference on Robotics and Automation*, Pages: 430-436, Montreal, QC, Canada, May 20-24, 2019, DOI: [10.1109/ICRA.2019.8794197](https://doi.org/10.1109/ICRA.2019.8794197).
- C10: M. Ferro, D. Brunori, F. Magistri, L. Saiella, **M. Selvaggio**, G. A. Fontanelli, “A portable da Vinci simulator in virtual reality,” *Proceedings of the 3rd IEEE International Conference on Robotic Computing*, Pages: 447-448, Napoli, Italy, Feb 25-27, 2019, DOI: [10.1109/IRC.2019.00093](https://doi.org/10.1109/IRC.2019.00093).
- C11: G. A. Fontanelli, **M. Selvaggio**, M. Ferro, F. Ficuciello, M. Vendittelli, B. Siciliano, “A V-REP simulator for the da Vinci Research Kit robotic platform,” *Proceedings of the 7th IEEE RAS/EMBS International Conference on Biomedical Robotics and Biomechatronics*, Pages: 1056-1061, Enschede, The Netherlands, August 26-29, 2018, DOI: [10.1109/BIOROB.2018.8487187](https://doi.org/10.1109/BIOROB.2018.8487187).

- C12: S. Grazioso, M. Gospodarczyk, **M. Selvaggio**, D. Marzullo, G. Di Gironimo, “Eligere: a fuzzy AHP distributed software platform for group decision making in engineering design,” *Proceedings of the 2017 IEEE International Conference on Fuzzy Systems*, Pages: 1-6, Naples, Italy, July 9-12, 2017, DOI: [10.1109/FUZZ-IEEE.2017.8015713](https://doi.org/10.1109/FUZZ-IEEE.2017.8015713).
- C13: **M. Selvaggio**, S. Grazioso, G. Notomista, F. Chen, “Towards a self-collision aware teleoperation framework for compound robots,” *Proceedings of the 2017 IEEE World Haptics Conference*, Pages: 460 - 465, Fürstfeldbruck (Munich), Germany, June 6-9, 2017 DOI: [10.1109/WHC.2017.7989945](https://doi.org/10.1109/WHC.2017.7989945).
- C14: F. Sbrizzi, S. Grazioso, **M. Selvaggio**, G. Di Maio, G. Notomista, “Enhancing airplane boarding procedure using vision based passenger classification,” *Proceedings of the 2016 IEEE 19th International Conference on Intelligent Transportation Systems*, Pages: 772 - 777, Rio de Janeiro, Brazil, November 1-4, 2016, DOI: [10.1109/ITSC.2016.7795642](https://doi.org/10.1109/ITSC.2016.7795642).
- C15: **M. Selvaggio**, G. Notomista, F. Chen, B. Gao, F. Trapani, D. Caldwell, “Enhancing bilateral teleoperation using camera-based online virtual fixtures generation,” *Proceedings of the 2016 IEEE/RSJ International Conference on Intelligent Robots and Systems*, Pages: 1483 - 1488, Daejeon, Korea, October 9-14, 2016, DOI: [10.1109/IROS.2016.7759241](https://doi.org/10.1109/IROS.2016.7759241).
- C16: F. Chen, B. Gao, **M. Selvaggio**, Z. Li, D. Caldwell, K. Kershaw, A. Masi, M. Di Castro R. Losito, “A framework of teleoperated and stereo vision guided mobile manipulation for industrial automation,” *Proceedings of the 2016 IEEE International Conference on Mechatronics and Automation*, Pages: 1641 - 1648, Harbin, China, August 7-10, 2016, DOI: [10.1109/ICMA.2016.7558810](https://doi.org/10.1109/ICMA.2016.7558810). **Best Automation Paper Finalist.**
- C17: B. Gao, F. Chen, F. Trapani, **M. Selvaggio**, D. Caldwell, “Robust object localization based on error patterns learning for dexterous mobile manipulation,” *Proceedings of the 2016 IEEE International Conference on Advanced Robotics and Mechatronics*, Pages: 213 - 218, Macau, China, August 18-20, 2016, DOI: [10.1109/ICARM.2016.7606921](https://doi.org/10.1109/ICARM.2016.7606921). **Best Cognitive Paper.**
- C18: **M. Selvaggio**, F. Chen, B. Gao, G. Notomista, F. Trapani, D. Caldwell, “Vision based virtual fixture generation for teleoperated robotic manipulation,” *Proceedings of the 2016 IEEE International Conference on Advanced Robotics and Mechatronics*, Pages: 190 - 195, Macau, China, August 18-20, 2016, DOI: [10.1109/ICARM.2016.7606917](https://doi.org/10.1109/ICARM.2016.7606917). **Best Student Paper Finalist.**
- C19: G. Notomista, A. Kammenhuber, P. Nadarajan, M. Botsch, **M. Selvaggio**, “Relative motion estimation based on sensor eigenfusion using a stereoscopic vision system and adaptive statistical filtering,” *Proceedings of the 47th International Symposium on Robotics*, Pages: 1 - 6, Munich, Germany, June 21-22, 2016.

Workshops - short papers

- W1: **M. Selvaggio**, A. M. Ghalamzan E., R. Moccia, F. Ficuciello, B. Siciliano, “Haptic-guided needle grasing in minimally invasive robotic surgery,” *ICRA Workshop Next Generation Surgery: Seamless Integration of Robotics, Machine Learning and Knowledge Representation within the Operating Rooms*, -, Montreal, Canada, May, 24 2019.
- W2: R. Moccia, **M. Selvaggio**, B. Siciliano, A. Arezzo, F. Ficuciello, “Vision-based Virtual Fixtures Generation for MIRS Dissection Tasks,” *9th Workshop on New Technologies for Computer/Robot Assisted Surgery*, -, Genoa, Italy, Mar. 2019.
- W3: R. Moccia, **M. Selvaggio**, F. Ficuciello, “Suturing Needle Tracking for Grasping Optimization in Minimally Invasive Surgery,” *The Hamlyn Symposium on Medical Robotics*, -, London, UK, June, 2019.
- W4: H. Liu, P. Ferrentino, **M. Selvaggio**, S. Pirozzi, F. Ficuciello, “Design of a multi-functional hand for robot-assisted laparoscopic surgery,” *The Hamlyn Symposium on Medical Robotics*, -, London, UK, June, 2019.
- W5: **M. Selvaggio**, G. A. Fontanelli, F. Ficuciello, L. Villani, B. Siciliano, “A virtual fixture adaptation strategy for MIRS dissection tasks,” *8th Workshop on New Technologies for Computer/Robot Assisted Surgery*, -, London, UK, Sep. 2018.

- W6: **M. Selvaggio**, G. A. Fontanelli, F. Ficuciello, L. Villani, B. Siciliano, “Enhancing dexterity with a 7-DoF laparoscopic suturing tool,” *The Hamlyn Symposium on Medical Robotics*, -, London, UK, June 24-27, 2018.
- W7: **M. Selvaggio**, L. Villani, B. Siciliano, F. Ficuciello, “Physics-based task classification of da Vinci robot surgical procedures,” *Sixth National Congress of Bioengineering*, -, Milan, Italy, June 25-27, 2018.
- W8: **M. Selvaggio**, G. Notomista, “Towards natural human-swarm teleoperation using hand synergies,” *IEEE ICRA Workshop - Swarms: From Biology to Robotics and Back*, -, Brisbane, Australia, May, 2018.
- W9: **M. Selvaggio**, G. A. Fontanelli, F. Ficuciello, L. Villani, B. Siciliano, “Task classification of robotic surgical reconstructive procedures using force measurements,” *7th Joint Workshop on New Technologies for Computer/Robot Assisted Surgery*, -, Montpellier, France, September 14-15, 2017.
- W10: S. Grazioso, **M. Selvaggio**, G. Di Gironimo, R. Ruggiero, “INBODY: instant photogrammetric 3D body scanner,” *7th International Conference on 3D Body Scanning Technologies*, Pages: 286-291, Lugano, Switzerland, 30 Nov - 1 Dec 2016.

INVITED TALKS AND SEMINARS

- I1: **M. Selvaggio**, “Shared control for non-prehensile telemanipulation tasks”, Robotics and AI in Nuclear (RAIN) - [Human-Robot Interaction Workshop](#), Online event, Sep 28 - Oct 1, 2020
- I2: **M. Selvaggio**, “Haptic-based shared control telerobotics: industrial and surgical perspectives”, Università di Modena-Reggio Emilia, Reggio Emilia, May 10, 2019.

MEDIA COVERAGE

- M1: [IEEE Automaton Blog](#) - weekly selection of the coolest robotics videos
- M2: [IEEE Robotics & Automation Magazine](#)

TEACHING EXPERIENCES

- **Teaching assistant** for the prof. B. Siciliano’s Robotics and Industrial Automation course (2020-2021)
- **Teaching assistant** for the prof. B. Siciliano’s Robotics and Industrial Automation course (2019-2020)
- **Teaching assistant** for the prof. B. Siciliano’s Robotics and Autonomous Sensors course (2019-2020)
- **Teaching assistant** for the prof. B. Siciliano’s Robot Interaction Control course (2019-2020)
- **Teaching assistant** for the prof. B. Siciliano’s Advanced Robotics course (2018-2019)

PROFESSIONAL SERVICE

Workshop organization

- **Main organizer** of the workshop “[Shared Autonomy in Physical Human-Robot Interaction: Adaptability and Trust](#)”, to be held at the [2022 IEEE International Conference on Robotics and Automation](#), May 23-27, 2022 Philadelphia (PA), USA.
- **Co-organizer** of the workshop “[Design, Learning, and Control for Safe Human-Robot Collaboration](#)” held at the 20th International Conference on Advanced Robotics, Ljubljana, Slovenia (online), 6-10 December, 2021.
- **Main organizer** of the workshop “[Shared autonomy: learning and control](#)”, held at the [2020 IEEE International Conference on Robotics and Automation](#), Paris, France (online), May 31 - June 4, 2020.

Editorial service and program committees

- **Associate editor** for the [2022 IEEE International Conference on Robotics and Automation \(ICRA\)](#) in the area of Medical and Rehabilitation Robotics.
- **Session co-chair** for the [2021 IEEE/RSJ International Conference on Intelligent Robots and Systems](#) session on “Shared Autonomy for Physical Human-Robot Interaction”.
- **Guest editor** for the special issue “[Advanced Technologies for Autonomous Surgical Robotics](#)” organized in the MDPI Robotics journal, 2021.
- **Associate editor** for the [IEEE Robotics and Automation Letters \(RA-L\)](#), 2021-today.
- **Associate editor** for the [20th International Conference on Advanced Robotics](#), 2021.
- **Guest associate editor** for the special issue “[Shared Autonomy for Physical Human-Robot Interaction](#)” organized in the IEEE Robotics and Automation Letters, 2021.
- **Program committee member**, of the International Workshop on [Human-Friendly Robotics 2021](#), to be held in Bologna, Italy, October 21-22, 2021.
- **Program committee member**, 13th International Workshop on [Human-Friendly Robotics 2020](#), held in Innsbruck, Austria, October 22-23, 2020.
- **Program committee member**, 12th International Workshop on [Human-Friendly Robotics 2019](#), held in Reggio Emilia, Italy, October 24-25, 2019.
- **Local arrangement chair**, 10th International Workshop on [Human-Friendly Robotics 2017](#), held in Napoli, Italy, November 6-7, 2017.

Reviews

Robotics Science and Systems; Frontiers in Robotics and AI; IEEE Transactions on Robotics (T-RO); IEEE Robotics and Automation Magazine (RAM); IEEE Transactions on Cognitive and Developmental Systems (TCDS); International Conference on Intelligent Computing (ICIC); IEEE Transactions on Cybernetics (TCYB); International Conference on Advanced Robotics (ICAR); Journal of Dynamic Systems, Measurement and Control; International Journal of Robotic Research (IJRR); Journal of Air Transport Management; IEEE International Conference on Systems, Man, and Cybernetics (SMC); Acta Polytechnica Hungarica; Science Robotics; IEEE Robotics and Automation Letters (RA-L); IEEE International Conference on Robotics and Automation (ICRA); IEEE/RJS International Conference on Intelligent Robots and Systems (IROS); IEEE/ASME Transactions on Mechatronics (TMECH); Mechatronics; World Haptics Conference (WHC); IEEE Transactions on Haptics (ToH); IEEE Access.

Verified on [Publons](#).