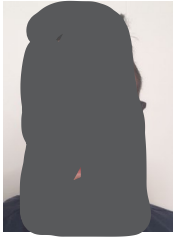


PERSONAL INFORMATION

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 [Redacted]

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 [https://www.researchgate.net/profile/Carmine\\_Recchiuto](https://www.researchgate.net/profile/Carmine_Recchiuto)

[Redacted]

WORK EXPERIENCE

July 2021 - ongoing

**Assistant Professor – University of Genova**

“Ricercatore a Tempo Determinato di tipo B (RTD-B)” at the University of Genova, DIBRIS (Department of Informatics, Bioengineering, Robotics, and System Engineering).

Habilitated as Associate Professor (Professore di Seconda Fascia. ING/INF-05)

▪ *Teaching Activities:*

▫ Courses Held:

- Experimental Robotics Laboratory (2019 - ongoing) (Robotics Engineering/J-Emaro)
- Robot Programming with ROS (2018-ongoing) (Phd in Bioengineering and Robotics)
- Informatica per gli Umanisti (2020 – ongoing) (Lettere e Filosofia)

▫ Supervisor of students’ projects for the courses Experimental Robotics and Social Robotics (Robotics Engineering/J-Emaro)

▫ Supervisor / co-supervisor of 5 Master Theses and 1 Phd Student

▪ *Research Activities:*

▫ CARESSES project (EU/Japan, H2020, coordinated by the University of Genova)

- Head of Software Development for Workpackage 2.
- Coordinator of the software integration.
- Implementation of software modules and libraries for representing culturally competent knowledge for artificial agents

▫ DIONISO project (Italy, PON R&C 2007-2013, Smart Cities and Communities and Social Innovation)

- Technical Coordinator of Software Development
- Analysis and development of algorithms for human localization and mapping with wearable sensors

▪ *Other Activities:*

▫ Member of the Quality Assurance Commission for the Robotics Engineering Degree

▫ Associated Editor for the Intelligent Service Robotics Journal, Springer. Impact factor: 1.346. SJR Quartile: Engineering: Q1, Artificial Intelligence: Q2.

▫ Associated Editor for the International Conference on Robotics and Automation (ICRA), 2019, 2020; for the European Conference on Mobile Robots (EMCR), 2019; for the International Conference on Intelligent Robots and Systems (IROS), 2020.

January 2014 – October 2019

**Research Fellow, PostDoc (from 2015) – University of Genova**

“Assegnista di ricerca” at the University of Genova, DIBRIS (Department of Informatics, Bioengineering, Robotics, and System Engineering).

- *Teaching Activities:*
  - Teaching Assistant in the courses:
    - Advanced and Robot Programming (2014-2017) (Robotics Engineering, J-Emaro)
  - Supervisor of students' projects for the courses Social Robotics, Software Architecture for Robotics, Advanced and Robot Programming, Group Project (Robotics Engineering/J-Emaro)
  - Supervisor / co-supervisor of 10 Master Theses and 2 Phd Students
- *Research Activities:*
  - PRISMA project (Interoperable cloud platforms for SMARt-government)
    - Head of Software Development
    - Analysis and implementation of control strategies for Unmanned Aerial Vehicles
  - MAREA project (Monitoring And Rescue Automation)
    - Coordination of UAVs swarms and teams

November 2011 – December 2018 **Founder, Chief Executive Officer – Humanot S.r.l.**

Founder of Humanot S.r.l., spin-off of the Scuola Superiore Sant'Anna

- *Research Activities:*
  - BRAINHURO project (POR CREO FESR 2007-2013)
    - Principal Investigator for Humanot S.r.l.
    - Leader of WorkPackage 2
    - Hardware and software development of a novel humanoid robot
  - SoFAR
    - Re-engineering the grippers of a surgical robot

March 2009 – December 2013 **Co.co.co., Research Fellow (from March 2010) – Scuola Superiore Sant'Anna Di Pisa**

"Co.co.co" and "Assegnista di Ricerca" at the Biorobotics Institute of the Scuola Superiore Sant'Anna di Pisa

- *Research Activities:*
  - RoboSoM (FP7, coordinated by the Scuola Superiore Sant'Anna)
    - Development of the electronic hardware of the humanoid platform SABIAN
  - NANOBIO TOUCH (FP7)
    - Development of electronic systems for the integration of MEMS/NEMS sensors within a robotic hand.
  - NANOBIO TACT (FP6)
    - Development of electronic systems for MEMS/NEMS data processing

**EDUCATION AND TRAINING**

November 2009 – November 2013 **Ph.D. in Microsystems**

University of Rome Tor Vergata

- Micro/nano electronics, Humanoid Robotics
- Final Thesis: Design of electronic systems and control strategies for humanoid robots

October 2005 – December 2008 **Master Degree in Electronic Engineering**

University of Pisa, final vote 110/110. Period of 6 Months at the Technische Universitaet Berlin within the ERASMUS European project.

- Nanoelectronics, Analog Electronics, MEMS, Photonics
- Final Thesis: Numerical study for the functionalization and doping of graphene transistors

October 2002 – October 2005

**Bachelor Degree in Electronic Engineering**

University of Pisa, final vote 110/110 cum laude

- Mathematics, Physics, Chemistry, Computer Science, Electrical Engineering, Analog and Digital Electronics, Telecommunications, Signal Theory
- Final Thesis: Design and Implementation of a digitally controlled periodic waveform generator, based on the Inverse Fourier Transformation

September 1994 – September 2002

**Piano Intermediate Degree, Music Theory and Music Dictation**

Nino Rota Music School of Monopoli (BA)

- Piano, Music Theory and Music Dictation, Music History

September 1997 – June 2002

**High School Diploma**

Liceo Scientifico Marie Curie of Monopoli (BA), final vote 100/100

- Mathematics, Physics, History, Latin, Science

**PERSONAL SKILLS**

Mother tongue(s)

Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Excellent	Excellent	Good	Good	Good
German	Sufficient	Good	Sufficient	Sufficient	Sufficient

**Communication skills**

I have excellent interpersonal and communication abilities, reinforced by the experience gained studying abroad through the Erasmus Project, by some part-time work collaborations for the University of Pisa, and by my research work carried out at the Scuola Superiore Sant’Anna, University of Rome Tor Vergata, Humanot S.r.l., and the University of Genova.

I am also able to adapt myself to multicultural environments, thanks to the collaboration in many National and International projects, in which I have always managed to cooperate with others in a fruitful way. In particular, I have been involved in four European projects and eight Italian projects.

I can easily communicate concepts and information; I have been teaching aspects related to the middleware ROS and robot programming for three years, and I currently teach three courses at the University of Genova. Moreover, I have been an advisor or co-advisor of 3 Ph.D. and 15 Master Students.

**Organisational / managerial skills**

I have excellent capabilities in organizing work or study groups. During my studies, I had the possibilities of managing some group-projects, with excellent results. Later on, I have founded a start-up company, Humanot S.r.l., for which I have coordinated the writing of the research project BrainHuRO (with five Italian academic and research partners) and of one ICT proposal that passed the evaluation threshold (with five European academic partners). I have been the Local Coordinator, Principal Investigator (for Humanot S.r.l.), and Leader of WorkPackage 2 of the project BrainHuRo. Moreover, during my work at the University of Genova, I have been in charge of the software development for the project PRISMA, I was the Technical Coordinator of Software Development for the project DIONISO and the Head of Software Development and Coordinator of Software

Integration of the project CARESSES, coordinated by the University of Genova.

I have also been involved in the Technical Committee of a number of International Conferences (Melecon2014, REDEC2014, ICACCI2015, EMCR2019) and Associate Editor for the International Conferences ICRA2019, ECR2019, ICRA2019, IROS2020 and for the Intelligent Service Robotics Journal (Springer).

Finally, in my teaching activity, I have successfully managed more than 20 students' group projects, related to the courses Experimental Robotics, Social Robotics, Software Architecture for Robotics, Advanced and Robot Programming.

#### Technical skills

I am proficient in programming languages such as Assembler, Fortran, C, C++, C#, Java, Perl, Python, and Hardware Description languages, such as VHDL and Verilog, strengthened by programming Xilinx and Altera development boards. I have a wide experience with the middleware ROS (Robot Operating System) and ETHNOS, which I have actively used in my research projects (PRISMA, DIONISO, CARESSES). Moreover, in the context of the project CARESSES, I have extensively used the middleware universAAL, an open-source platform for Ambient Assisted Living. Thanks to the project ROBOSOM, I have acquired basic knowledge of the libraries VTK, QT, OpenGL, of the robotic middleware YARP and the Real-Time Operative System QNX Neutrino.

Generally speaking, I have wide know-how in Real-Time programming, and I have acquired good experience with knowledge representation techniques and management systems, with Bayesian Networks and JAVA libraries for ontologies management (i.e., software such as Protégé, OWL-API, Netica).

## ADDITIONAL INFORMATION

#### Presentations

- I have personally presented the results of my work in the following International Conferences: Humanoids2011, TAROS2013, AIRO2014, RO-MAN2015, AIRO2015, IAS14, IROS2016, UR2020.
- I have also presented my research work during the Review Meetings of the CARESSES project, as responsible for the software development in WorkPackage2 and presenter of the Demo sessions.
- I have been invited speaker at the 8<sup>th</sup> EU-Japan Digital Strategies Workshop, during the ICT2018 – Imagine Digital, Connect Europe, Wien, December 2018, and at the convention “Intelligenza Artificiale e robotica al servizio dell'uomo”.

#### Projects

In addition to the projects already mentioned, I am involved in 6 Research Projects currently under evaluation, with the role of Principal Investigator in two projects (Human Frontiers Science Project, and Microsoft AI for Health COVID-19).

#### Public Events

- 2012-2014: Exhibitor at SMAU, the main Italian fair for ICT, presenting the Humanot products, Milano
- 2014: Public exhibition of a robotic prototype at the regional Taekwondo championship, Prato.
- 2015: Public exhibition of the BRAINHURO robot at the Ericsson Innovation Day, Genova.
- 2015: Demonstration of the BRAINHURO system controlled by a person affected by ALS, Siena.
- 2017: Public exhibition of the CARESSES robot at the Festival Della Scienza, Palazzo della Borsa, Genova.
- 2017: Public exhibition of the CARESSES robot at Smack! Comics Fair, Genova.
- 2018: Public exhibition of the CARESSES robot at ICT2018 – Imagine Digital, Wien.
- 2019: Public exhibition of the CARESSES robot at the Festival Del Mare, Genova

- 2019: Public exhibition of the CARESSES robot at SciRoc2019, organized by the H2020 SciRoc project, Milton Keynes
- 2019: Public exhibition of the CARESSES robot at Abilitando (Where technology meets disability), Bosco Marengo (Alessandria).
- 2019: Public exhibition of the CARESSES robot at the XL Congresso Nazionale SIFO (Società Italiana di Farmacia Ospedaliera), Genova

#### Honours and awards

- The Laboratorium of the University of Genova (where I carry out my research activity) receives the award “Arte, Scienza and Coscienza” 2017, in the context of the Festival della Scienza, Palazzo Tursi, Genova.
- From 2018 to 2020, the CARESSES project, in which I was actively involved, is awarded as Project of the Month by the European Commission; it is included in the list of “Best Breakthroughs” in the UK; its technologies, “Culturally competent robots for residential and domestic healthcare or other application domains” and “Cloud services for culturally competent applications” are recognized by the EU Innovation Radar. Finally, the project has received a SMAU Innovation Award and it was included in the “100 Italian Robotic & Automation Stories”, by Symbola and Enel Foundation.

#### Memberships

IEEE Member since 2015

#### Patents

- “Metodo per il calcolo del centro di massa per una piattaforma umanoide”. Inventors: Muscolo G.G., Recchiuto C.T. Owner: Scuola Superiore Sant’Anna. Number of application: 102011901989373 (UIBM), IT2011FI00232 (Espacenet), 21/10/2011.
- “Apparato robotizzato semovente bipede”. Inventors: Muscolo G.G., Recchiuto C.T. Owners: Muscolo G.G., Recchiuto C.T. Number of application: 102015000049099 (UIBM), IT2015UB03452 (Espacenet), 07/09/2015.

#### Publications

- I have acted as a reviewer for many relevant International conferences (among the others: IROS 2016, 2017, 2018, 2019, 2020; ICRA 2017, 2018, 2019, 2020; UR 2018, 2020; Humanoids 2015, 2016, 2017; Ro-MAN 2016, 2017, 2018, 2020; SSRR 2017; ECMR 2019; ECAI2016; MELECON 2014, 2015; REDEC 2014; ICACCI 2015) and for many Scientific Journals (among the others, Robotics and Autonomous Systems; Journal of Aerospace Engineering; International Journal of Advanced Robotic Systems; Journal of Intelligent & Robotics Systems; Journal of Field Robotics; Expert Systems with Applications, Robotics and Automation Letters, Intelligent Service Robotics, Applied Science, Frontiers, Robotica).
- I have published 12 articles in International Journals in the last 5 years, I have 273 citations in the last 10 years and a H-index equal to 8 (Scopus).
- In the following, the complete list of my publications is given.

## Publications on International Journals

1. Recchiuto, C. T., & Sgorbissa, A. (2020). A Feasibility Study of Culture-Aware Cloud Services for Conversational Robots. *IEEE Robotics and Automation Letters*, 5(4), 6559-6566.
2. Chiang, T.-C., Bruno, B., Menicatti, R., Recchiuto, C.T., Sgorbissa, A. Culture as a Sensor? A Novel Perspective on Human Activity Recognition (2019) *International Journal of Social Robotics*, pp.1-18, online. Impact factor: 2.296. SJR Quartile Computer Science: Q1.
3. Bruno, B., Recchiuto, C.T., Papadopoulos, I., Saffiotti, A., Koulouglioti, C., Menicatti, R., Mastrogiovanni, F., Zaccaria, R., Sgorbissa, A., Knowledge Representation for Culturally Competent Personal Robots: Requirements, Design Principles, Implementation, and Assessment (2019) *International Journal of Social Robotics*, 11 (3), pp. 515-538. Impact factor: 2.296. SJR Quartile Computer Science: Q1.
4. Tanveer, M.H., Recchiuto, C.T., Sgorbissa, A., Analysis of path following and obstacle avoidance for multiple wheeled robots in a shared workspace (2019) *Robotica*, 37 (1), pp. 80-108. Impact factor: 1.184. SJR Quartile Computer Science Applications, Software: Q2.
5. Recchiuto, C.T., Sgorbissa, A. Post-disaster assessment with unmanned aerial vehicles: A survey on practical implementations and research approaches (2018) *Journal of Field Robotics*, 35 (4), pp. 459-490. Impact factor: 4,345. SJR Quartile: Computer Science Applications: Q1.
6. H. Nguyen, P.D., Recchiuto, C.T., Sgorbissa, A. Real-Time Path Generation and Obstacle Avoidance for Multirotors: A Novel Approach (2018) *Journal of Intelligent and Robotic Systems: Theory and Applications*, 89 (1-2), pp. 27-49. Impact factor: 2,02. SJR Quartile: Artificial Intelligence, Software: Q2.
7. Recchiuto, C.T., Scalmato, A., Sgorbissa, A., A dataset for human localization and mapping with wearable sensors (2017), *Robotics and Autonomous Systems*, vol. 97, pp. 136-143. Impact factor: 2,928. SJR Quartile: Computer Science Applications, Software: Q1.
8. Muscolo G, Recchiuto C.T., Flexible structure and wheeled feet to simplify biped locomotion of humanoid robots (2017). *International Journal of Humanoid Robotics*, 14(01). Impact factor: 1,286. SJR Quartile: Artificial Intelligence: Q2.
9. Muscolo G, Recchiuto C.T.. TPT a novel Taekwondo personal (2017), *Robotics and Autonomous Systems*, vol. 83, p. 150-157. Impact factor: 2,928. SJR Quartile: Computer Science Applications, Software: Q1.
10. Recchiuto, C.T., Sgorbissa, A., Zaccaria, R., Visual feedback with multiple cameras in a UAVs Human- Swarm Interface *Robotics and Autonomous Systems* 80, pp. 43-54, 2016. Impact factor: 2,928. SJR Quartile: Computer Science Applications, Software: Q1.
11. Muscolo G, Recchiuto C, Molfino R., Dynamic balance optimization in biped robots: Physical modeling, implementation and tests using an innovative formula (2015). *Robotica*, vol. 33, p. 2083-2099, Impact factor: 1,184, *Control and Systems Engineering*: Q2.
12. Mariti C, Muscolo G, Peters J, Puig D, Recchiuto C, Sighieri C, Solanas A, von Stryk O., Developing biorobotics for veterinary research into cat movements (2015), *Journal of Veterinary Behaviour* (2015), vol. 10, p. 248-25, Impact factor: 1,59.
13. Muhammad H. B., Recchiuto C. T., Oddo C. M., Beccai L., Anthony C. J., Adams M. J., Carrozza M. C., Ward M.C.L., A Capacitive Tactile Sensor Array for Surface Texture Discrimination (2011). *Microelectroning Engineering*, vol. 88, p. 1811-1813, Impact factor: 1,284.
14. Muhammad H. B., Oddo C. M., Beccai L., Recchiuto C. , Anthony C. J., Adams M. J., Carrozza M. C., Hukins D.W.L., Ward M. C.L., Development of a bioinspired MEMS based capacitive tactile sensor for a robotic finger (2011), *Sensors and actuators*.

## Publications on National Journals

15. G.G. Muscolo, C.T. Recchiuto L'umanoide vuole...volare, Progettare 374, pp. 84-89, 2013.
16. G.G. Muscolo, C.T. Recchiuto, I robot umanoidi in Italia: dalla ricerca verso l'industria, Automazione Integrata, 8. Settembre 2013.
17. G.G. Muscolo, C.T. Recchiuto. L'umanoide...spicca il volo, RMO-Rivista di Meccanica Oggi, 176, pp. 76-78, 2014.
18. G.G. Muscolo, C.T. Recchiuto. Locomozione Bipede: aumentare la stabilità riducendo gli errori, Robotica Magazine, 2012.

## Edited Books

19. Tanveer, M.H, Recchiuto C.T., Sgorbissa A., An Inverse Perspective Approach using Monocular Camera of Pepper Humanoid Robot to Determine the Position of Other Moving Robots in Plane, Proceedings of the 15th International Conference on Informatic in Control, Automation and Robotics – Volume 1: ICINCO, pp 178-183, 2018, ScitePress, ISBN: 978-989-758-321-6.
20. Recchiuto, C.T., Sgorbissa, A., The project PRISMA: Post-Disaster assessment with UAVs, Advances in Intelligent Systems and Computing 531, pp. 199-211, 2016. ISBN: 2194-5357.
21. C. Recchiuto, A. Sgorbissa, F. Wanderlingh, R. Zaccaria, UAV Teams in Emergency Scenarios: A Summary of the Work Within the Project PRISMA, 2nd Workshop on Artificial Intelligence and Robotics (AIRO 2015), co-located with the 14th Conference of the Italian Association for Artificial Intelligence, Ferrara, 22 Sept 2015 pp. 40-53, CEUR-WS, ita, 2015.
22. Muscolo G, Recchiuto C, Sellers W, Molfino R (2014). Towards a novel embodied robot bio-inspired by non-human primates. In: ISR/Robotik 2014; 41st International Symposium on Robotics; Proceedings of. Berlin, Verlag, ISBN: 978-3-8007-3601-0, Munich, Germany, 2-4 June 2014
23. Recchiuto C, Molfino R, Hedenstroem A, Peremans H, Cipolla V, Frediani A, Rizzo E, Muscolo G (2014). Bioinspired Mechanisms and Sensorimotor Schemes for Flying: A Preliminary Study for a Robotic Bat. In: TAROS 2014: Advances in Autonomous Robotics Systems. Lecture Notes in Computer Science, Springer, Berlin. ISBN 978-3-319-10400-3.
24. Casals A, Fedele P, Marek T, Molfino R, Muscolo G, Recchiuto C (2013). A Robotic Suit Controlled by the Human Brain for People Suffering from Quadriplegia. In: TAROS 2013: Towards Autonomous Robotic Systems. Lecture Notes in Computer Science, Springer, Berlin. ISBN: 978-3-662-43644-8.
25. Molfino R, Muscolo G, Puig D, Recchiuto C, Solanas A, Williams M (2013). An Embodied-Simplicity Approach to Design Humanoid Robots Bioinspired by Taekwondo Athletes. Lecture Notes in Computer Science, Springer, Berlin. ISBN: 978-3-662-43644-8.
26. Cipolla V, Frediani A, Molfino R, Muscolo G, Oliviero F, Puig D, Recchiuto C, Rizzo E, Solanas A, Stewart P (2013). A Personal Robotic Flying Machine with Vertical Takeoff Controlled by the Human Body Movements. In: TAROS 2013: Towards Autonomous Robotic Systems. Lecture Notes in Computer Science, Springer, Berlin. ISBN: 978-3-662-43644-8.
27. Muscolo, G. G., Recchiuto, C. T., Campatelli, G., & Molfino, R. (2013). A robotic social reciprocity in children with autism spectrum disorder. In 5th International Conference on Social Robotics, ICSR 2013. Lecture Notes in Computer Science, 8239 LNAI pp: 571-573. ISSN 03029743.
28. C.T. Recchiuto, A numerical study for doping of graphene transistors: Analysis and simulations about the material of the future electronics, ISBN 978-3-659-19242-5, LAP LAMBERT Academic Publishing.

## Conference Proceedings

29. Speranza S, Recchiuto C.T., Bruno B, Sgorbissa A., A model for the Representation of the Extraversion-Introversion Personality Traits in the Communication Style of a Social Robot. Accepted for oral presentation. 29<sup>th</sup> IEEE International Conference on Robot and Human Interactive Communication. August 31 – September 4, 2020. Online.
30. Gava L., Grassi L., Lagomarsino M., Recchiuto C.T., Sgorbissa A., Physical Embodiment of Conversational Social Robots. 29<sup>th</sup> IEEE International Conference on Robot and Human Interactive Communication. August 31 – September 4, 2020. Online.
31. Morando L., Recchiuto C.T., Sgorbissa A., Social Drone Sharing to Increase the UAV Patrolling Autonomy in Emergency Scenarios. 29<sup>th</sup> IEEE International Conference on Robot and Human Interactive Communication. August 31 – September 4, 2020. Online.
32. Recchiuto C.T., Gava L., Grassi L., Grillo A., Lagomarsino M., Lanza D., Liu Z., Papadopoulos C., Papadopoulos I., Scalmato A., Sgorbissa A., Cloud Services for Culture Aware Conversation: Socially Assistive Robots and Virtual Assistants. In 2020 17th International Conference on Ubiquitous Robots (UR) (pp. 270-277). IEEE.
33. Peng H., Recchiuto C.T., Sgorbissa A., Collaboration and Interventions on Urban Environment Mapping with Graph-Based SLAM Algorithm. Accepted for oral presentation. In 2020 17th International Conference on Ubiquitous Robots (UR) (pp. 447-454). IEEE.
34. Garelo L., Grella F., Castagnetta S., Bruno B., Recchiuto C.T., Sgorbissa A., Robot Agreeableness and User Engagement in Verbal Human-Robot Interaction. Accepted for oral presentation. In 2020 17th International Conference on Ubiquitous Robots (UR) (pp. 256-263). IEEE.
35. Menicatti, R., Recchiuto, C.T., Bruno, B., Zaccaria, R., Khaliq, A.A., Kockemann, U., Pecora, F., Saffiotti, A., Bui, H.-D., Chong, N.Y., Lim, Y., Pham, V.C., Tuyen, N.T.V., Melo, N., Lee, J., Busy, M., Lagrue, E., Montanier, J., Pandey, A.K., Sgorbissa, A. Collaborative Development Within a Social Robotic, Multi- Disciplinary Effort: The CARESSES Case Study (2019) Proc. IEEE Workshop on Advanced Robotics and its Social Impacts, ARSO, 2018-September, pp. 117-124.
36. Sgorbissa, A., Papadopoulos, I., Bruno, B., Koulouglioti, C., Recchiuto, C. Encoding Guidelines for a Culturally Competent Robot for Elderly Care (2018) IEEE International Conference on Intelligent Robots and Systems, pp. 1988-1995.
37. Khaliq, A.A., Kockemann, U., Pecora, F., Saffiotti, A., Bruno, B., Recchiuto, C.T., Sgorbissa, A., Bui, H.- D., Chong, N.Y., Culturally aware Planning and Execution of Robot Actions (2018) IEEE International Conference on Intelligent Robots and Systems, pp. 326-332.
38. Bruno, B., Menicatti, R., Recchiuto, C.T., Lagrue, E., Pandey, A.K., Sgorbissa, A. Culturally-Competent Human-Robot Verbal Interaction (2018) 2018 15th International Conference on Ubiquitous Robots, UR 2018, pp. 388-395.
39. Tanveer, M.H., Sgorbissa, A., Recchiuto, C.T., Collision-free navigation of multiple unicycle mobile robots, RO-MAN2017, IEEE International Symposium on Robot and Human Interactive Communication, Lisbon, Portugal, 28-31 August 2017.
40. Nguyen, P.D.H., Recchiuto, C.T., Sgorbissa, A., Real-time path generation for multicopters in environments with obstacles, IEEE International Conference on Intelligent Robots and Systems, pp. 1582-1588, 2016.



41. C. T. Recchiuto, A. Sgorbissa, R.Zaccaria, Usability Evaluation with Different Viewpoints of a Human- Swarm Interface for UAVs Control in Formation 24th IEEE International Symposium on Robot and Human Interactive Communication, ROMAN 2015, Kobe International Conference Center, Kobe, Japan, Aug 31 - Sept 4 2015.
42. C. Nattero, C. T. Recchiuto, A. Sgorbissa, F. Wanderlingh, R. Zaccaria, Coverage Algorithms for Search And Rescue with UAV Drones, Italian Workshop on Artificial Intelligence and Robotics, AIRO 2014, co- located with the XIII AI\*IA Symposium on Artificial Intelligence, 10 December 2014, Pisa, Italy.
43. Muscolo G, Recchiuto C, Molfino R (2014). Vision and locomotion control systems on a bio-inspired humanoid robot. In: MELECON 2014 - 2014 17th IEEE Mediterranean Electrotechnical Conference. IEEE, ISBN: 978-1-4799-2337-
44. Fedele P, Federighi P, Molfino R, Muscolo G, Recchiuto C, Rufa A (2014). High energy efficiency biped robot controlled by the human brain for people with ALS disease. In: Mediterranean Electrotechnical Conference (MELECON), 2014 17th IEEE. IEEE, ISBN: 978-1-4799-2337-3, doi: 0.1109/MELCON.2014.6820565
45. G.G.Muscolo, C.T.Recchiuto, K.Hashimoto, C.Laschi, P.Dario, A.Takanishi (2011). A Method for the calculation of the effective Center of Mass of Humanoid robots. In: 11th IEEE-RAS International Conference on Humanoid Robots. Bled-Slovenia, October 26th - 28th, New York:IEEE (Institute of Electrical and Electronic Engineers)
46. Muhammad H.B., Hunt N.C., Shelton R.M., Grover L. M., Ward M.C.L., Oddo C.M., Recchiuto C.T., Beccai L. (2010). Incorporation of novel MEMS tactile sensors into tissue engineered skin. In: Bioinformatics and Biomedical Engineering (ICBBE), 2010 4th International Conference on. p. 1-4, Piscataway, NJ.:IEEE, ISBN: 9781424447121, Chengdu, China, 18-20 June 2010, doi: 10.1109/ICBBE.2010.5516011
47. H.B. Muhammad, C. T. Recchiuto, C.M. Oddo, L. Beccai, M.J. Adams, M.C. Carrozza, M. Ward. A MEMS tactile sensor array for texture recognition (2010). In 36th International Conference on Micro & Nano Engineering, Genova, Italy, 19-22 September 2010.

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