







PERSONAL INFORMATION

Lorenzo Desideri, PhD, PsyD

-  Bologna, IT
-  +39 333 4366 418
-  lorenzo.desideri2@unibo.it; ldesideri@ausilioteca.org
-  [ResearchGate https://www.researchgate.net/profile/Lorenzo_Desideri2](https://www.researchgate.net/profile/Lorenzo_Desideri2)
-  Skype [lorenzodesi](https://www.skype.com/user/lorenzodesi)
-  [Twitter https://twitter.com/lo_desi](https://twitter.com/lo_desi)

Sex: Male | Date of birth: 02 April 1983 | Nationality: Italian
ASN: 11/E1 - II Fascia; from 05/11/2018 to 05/11/2027

EDUCATION

- 2015 **Ph.D.**
CAPHRI School for Public Health and Primary Care, Faculty of Health, Medicine and Life Sciences, University of Maastricht, Maastricht (Netherlands)
Title doctoral thesis: "Assistive Technology Service Delivery for Children with Multiple Disabilities A Family-Centred Approach to Assure Quality". [\[Download\]](#)
Supervisors: Prof. Luc de Witte; Dr. Gert-Jan Gelderblom, and Dr. Uta Roentgen
- 2014 **Psy.D, Clinical psychologist**
University of Bologna, Bologna (Italy)
2nd level Specialization Degree in Health Psychology, License to practice as psychotherapist.
- 2008 **M.S. Applied Cognitive Psychology**
University of Bologna, Bologna (Italy)

RESEARCH INTERESTS

Primary research interests

- Applied cognitive technologies for persons with developmental, intellectual or multiple disabilities
- Social robots and autism spectrum disorders
- Technology use in cognitive assessment
- Cognitive underpinnings of person-technology interaction

Secondary research interests

- Cognitive control mechanisms (e.g. mind wandering; bilingual advantage)
- Face and gaze perception
- User experience

RESEARCH EXPERIENCE

2010–Present Senior researcher

Regional Centre for Assistive Technology – Assistive Technology Living Lab

Via Sant'Isaia 90, 40123 Bologna (Italy)

<http://www.ausilioteca.org/>

Referent: Dr Evert-Jan Hoogerwerf (hoogerwerf@ausilioteca.org)

Main research activities

- Designing and conducting laboratory and field research studies
- Designing and writing national and international (HORIZON; Erasmus+) project proposals related to technology design and development in the areas of health, disability and education.
- Project leader/researcher in several national and international projects related to technology, health, education, and disability.

2019–Present Researcher

Lega del Filo d'Oro

Via Linguetta, 3 - 60027 Osimo (AN)

<https://www.legadelfilodoro.it/en>

Referents: Dr. Patrizia Ceccarani (ceccarani.p@legadelfilodoro.it) - Prof. Giulio Lancioni (giulio.lancioni@uniba.it)

Main research activities

Development of technology-based programs to promote occupational engagement, communication and leisure activities of people with profound to severe intellectual disability, deafblindness or multisensory impairments.

2018-2019 Researcher

Bologna Local Health Authority - Disability and Health Program

Via Castiglione 29, 40124 Bologna (Italy)

<https://www.ausl.bologna.it/>

Referent: Dr Rita Di Sarro (r.disarro@ausl.bologna.it)

Main research activities

- Responsible for data collection on epidemiology of autism spectrum disorders in the Emilia Romagna Region
- Responsible for evidence collection (systematic literature review) on assistive technology for cognition for autism spectrum disorders

TEACHING EXPERIENCE

2014–Present

Adjunct Professor

University of Bologna, Department of Psychology

Viale Berti Pichat 5, 40127 Bologna (Italy)

- 2014-2017: 'Psycholinguistics' (6-9 CFU)
Course taught to students attending the second cycle degree programmes (LM) in: Historical sciences; Italian Studies, European Literary Cultures, Linguistics; Philosophical Sciences; Semiotics; Visual Arts
- 2018-Present: 'Learning Processes and Disorders' [Module 2] (3 CFU)
Course taught to students attending the second cycle degree programme (LM) in Applied cognitive psychology
- 2018-Present: 'Methods and Techniques of Learning Disorders Assessment' [Module 2] (3 CFU)
Course taught to students attending the second cycle degree programme (LM) in School and community psychology
- 2016-2020: 'Digital technologies for cognitive assessment'
Practice-based laboratory taught to students attending the second cycle degree programme (LM) in Applied cognitive psychology

PERSONAL SKILLS

Mother tongue(s)

Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

- good communication skills gained through my 10-year experience in national and international research projects;
- excellent contact skills with children and adults, including older adults, with a variety of health conditions and disabilities gained through my experience in the assistive technology field.

Organisational / managerial skills

- good team-leading skills (currently responsible for small (n = 4) to medium (n = 6) research teams) gained through my experience as a principal investigator in national and international research projects;
- good project management skills gained through my experience in more than 15 international and national research projects;
- good organizational skills gained through my experience in conference and public events organization.

Research skills

- Skilled in psychometric test development and validation.
- Excellent competence in running focus groups and living labs with different age groups (children, adults, older adults) to develop personas, investigate users' views and experiences, and in conducting ethnographic investigations to observe users' behaviour in their life contexts.
- Skilled in planning experimental, explorative and qualitative research designs.
- Expert in performing quantitative (SPSS; JASP) and qualitative (ATLAS.ti; NVivo) data analysis.

ADDITIONAL INFORMATION

Associate editor

- **Assistive Technology**, the official journal of the Rehabilitation Engineering Society of North America (RESNA).
- **Disability and Rehabilitation: Assistive Technology**

Recent conference organization

- Program co-coordinator of the Workshop Series on Emerging Assistive Technology organized by the Association for the Advancement of Assistive Technology in Europe (AAATE) and the World Intellectual Property Organization (WIPO); virtual event, 16-23-30 April 2021
- Programme & Scientific Coordinator of the XV Conference of the Association for the Advancement of Assistive Technology (AAATE2019 in Europe, Bologna, 28-30 August 2019. website https://aaate2019.eu/wp-content/uploads/sites/24/2019/08/AAATE2019_Proceedings.pdf
- Member of the scientific committee of the II International Conference on Assistive Technology and Disabilities, Rome, 19-21 September 2019. website: <https://www.atadconference2019.org/>

Relevant International Projects

EU-funded/International projects

Feb 2021-Jul 2021 | Access to Assistive Technology in Italy (*see contract attached*)

Aim: the project, jointly funded by the World Health Organization and Istituto Superiore di Sanità, aims at exploring the access to assistive technology in Italy by surveying 10.000 Italian citizens with and without disabilities

My role: Project co-coordinator

Funding: WHO/ISS

Nov 2019 - Oct 2023 | SHAPES (<https://shapes2020.eu/>)

Aim: to build, pilot and deploy a large-scale, EU-standardised open platform for supporting and extending healthy and independent living for older individuals.

My role: Support the development of the large-scale European trials; coordinate the pilot trials conducted in Italy.

Funding: EU (HORIZON2020)

Nov 2019 - Nov 2022 | NEMO (<https://site.unibo.it/nemoproject/en/project>)

Aim: to develop technology-based educational activities to stimulate language development and communication skills of pre-school children with Autism Spectrum Disorders.

My role: Responsible for the development of the intervention framework.

Funding: EU (ERASMUS+)

Jan 2015 - Dec 2019 | ProACT (<http://proact2020.eu/>)

Aim: to develop and evaluate an ecosystem to integrate a wide variety of new and existing technologies to improve and advance integrated care for multimorbidity..

My role: Understanding users' views and experience with technology; Contributing to the design of *CareApps* interfaces and digital behavior health interventions.

Funding: EU (HORIZON2020)

Jan 2014 - Dec 2016 | EDUROB (<http://edurob.eu/>)

Aim: exploring whether cognitive development of children with intellectual disabilities can be enhanced by means of mediated learning using humanoid robots.

My role: Developing the exploitation strategy for the whole project results and the metrics to evaluate robot acceptance; Designing the protocol to assess effectiveness of robot-based interventions; Conducting trials & data analysis.

Funding: EU (LLP)

Nov 2008 - Jan 2013 | TOBI (<http://archiveweb.epfl.ch/www.tobi-project.org/>)

Aim: to design non-invasive Brain-Computer Interfaces (BCI) prototypes combined with existing assistive technologies and rehabilitation protocols.

My role: developing user-centred evaluation metrics to assess users experience with the BCI applications; Designing and conducting field test experiments.

Funding: EU (FP7)

National (Italian) projects

Sept 2020 – dEC 2021 | RoBò

Aim: to evaluate the effects of a humanoid robot controlled via a virtual reality headset on the social interactions of primary school children with Autism Spectrum Disorders.

Funding: co-founded by Fondazione CARISBO & AIAS. Total grant: 14.650 euros

My role: Principal Investigator

Jan 2019 - Dec 2019 | VIVO

Aim: to develop an integrated platform combining humanoid robots, augmented reality and movement/speech recognition to create innovative intervention scenarios targeting children with Autism Spectrum Disorders within a school setting.

Funding: co-founded by Fondazione CARISBO & AIAS. Total grant: 19.680 euros

My role: Principal Investigator

Jan 2017 - Dec 2017 | Multidimensional Affective Human-Robot Interaction Assessment

Aim: to understand people's emotional experience while interacting with a humanoid robot using a multidimensional approach (self-reported UX; nonverbal communication behavior analysis; heart-rate variability) in the context of a cognitive assessment.

My role: Principal Investigator

Jan 2015 - Dec 2016 | EyeCog

Aim: to evaluate the equivalence in terms of user performance and experience between the standard version of the Kaufman Brief Intelligence Test second edition (KBIT-2) and its eye-controlled version.

My role: Principal Investigator

Publications in peer-reviewed journals

2021

1. **Desideri**, L., Bonifacci, P., Croati, G., Dalena, A., Gesualdo, M., Molinaro, G., Cesario, L., Gherardini, A., Ottaviani, C. (2021). The Mind in the Machine: Mind Perception Modulates Gaze Aversion During Child-Robot Interaction. *International Journal of Social Robotics*. DOI: 10.1007/s12369-020-00656-7
2. Lancioni, G. E., Singh, N. N., O'Reilly, M. F., Sigafoos, J., & **Desideri**, L. (2021). Music Stimulation for People with Disorders of Consciousness: A Scoping Review. *Brain Sciences*, 11(7), 858. DOI: 10.3390/brainsci11070858
3. **Desideri**, L., Pérez-Fuster, P., & Herrera, G. (2021). Information and Communication Technologies to Support Early Screening of Autism Spectrum Disorder: A Systematic Review. *Children*, 8(2), 93. DOI: 10.3390/children8020093
4. Lancioni, G., **Desideri**, L., Singh, N., O'Reilly, M., Sigafoos (2021). Technology Options to Help People with Dementia or Acquired Cognitive Impairment Perform Multistep Daily Tasks: A Scoping Review. *Journal of Enabling Technologies*. In press
5. Lancioni, G., **Desideri**, L., Singh, N., O'Reilly, M., Sigafoos, J., De Caro, M.F., Taurisano P. (2021). Use of technology to sustain mobility in older people with cognitive impairment and dementia: a scoping review. *Disability & Rehabilitation: Assistive Technology*. DOI: 10.1080/17483107.2021.1900935
6. Di Sarro, R., Di Santantonio, A., **Desideri**, L., Varruciu, N. (2021). Profiling planning skills and cognitive flexibility of adults with autism spectrum disorders: Preliminary results from an exploratory service-based study. *International Journal of Developmental Disabilities*. DOI:

10.1080/20473869.2020.1871311

2020

7. **Desideri, L.**, Lancioni, G., Malavasi, M., Gherardini, A., & Cesario, L. (2020). Step-Instruction Technology to Help People with Intellectual and Other Disabilities Perform Multistep Tasks: a Literature Review. *Journal of Developmental and Physical Disabilities*, 1-30. DOI: 10.1007/s10882-020-09781-7
8. Lancioni, G. E., O'Reilly, M. F., Sigafoos, J., **Desideri, L.**, Alberti, G., Chiariello, V., & Nozzolillo, A. (2020). Smartphone-based technology to help individuals with intellectual disability and blindness manage basic indoor travel. *Advances in Neurodevelopmental Disorders*, 4(4), 430-438. DOI: 10.1007/s41252-020-00169-4
9. Lancioni, G. E., Singh, N. N., O'Reilly, M. F., Sigafoos, J., Alberti, G., Chiariello, V., & **Desideri, L.** (2020). People with intellectual and visual disabilities access basic leisure and communication using a smartphone's Google Assistant and voice recording devices. *Disability and Rehabilitation: Assistive Technology*, 1-8. DOI: 10.1080/17483107.2020.1836047
10. Lancioni, G. E., Singh, N. N., O'Reilly, M. F., Sigafoos, J., Alberti, G., Campodonico, F., ... & **Desideri, L.** (2020). Persons with intellectual and multiple disabilities activate via non-verbal responses a smartphone's Google Assistant to access preferred stimulation. *International Journal of Developmental Disabilities*, 1-10. DOI: 10.1080/20473869.2020.1827213
11. **Desideri, L.**, Di Santantonio, A., Varrucchi, N., Bonsi, I., Di Sarro, R. (2020). Assistive Technology for Cognition to Support Executive Functions in Autism: A Scoping Review. *Advances in Neurodevelopmental Disorders*. DOI: 10.1007/s41252-020-00163-w
12. Carloni, J., Magni, R., Veglio, E., Ryan, S. E., Gherardini, A., & **Desideri, L.** (2020). Translation and preliminary validation of the Italian version of the Family Impact of Assistive Technology Scale for Augmentative and Alternative communication (FIATS-AAC. it). *Technology and Disability*, 32(2), 129-135.. DOI: 10.3233/TAD-200261
13. Lancioni, G., Singh, N., O'Reilly, M.F., Sigafoos, J., Grillo, G., **Desideri, L.**, Alberti, G., Campodonico, F. (2020). A New Tablet-based Program to Support Leisure and Video Calls in People with Intellectual and Motor Disabilities. *Technology & Disability*. DOI: 10.3233/TAD-200268
14. Bonifacci, P., Tobia, V., Marra, V., **Desideri, L.**, Baiocco, R., Ottaviani, C. (2020). Rumination and emotional profile in children with Specific Learning Disorders and their parents. *International Journal of Environmental Research & Public Health*, 17(2), 389; DOI: 10.3390/ijerph17020389

2019

15. Lancioni, G. E., O'Reilly, M. F., Sigafoos, J., **Desideri, L.**, Alberti, G., Campodonico, F., & Chiariello, V. (2019). Smartphone-Based Technology to Support Functional Occupation and Mobility in People with Intellectual Disability and Visual Impairment. *Advances in Neurodevelopmental Disorders*, 1-9. DOI: 10.1007/s41252-019-00120-2
16. **Desideri, L.** Good Practices in Assistive Technology Service Delivery for Children: A Commentary on van Niekerk et al. study. *Disability & Rehabilitation: Assistive Technology*. DOI: 10.1080/17483107.2019.1649476
17. **Desideri, L.**, Ottaviani, C., Malavasi, M., di Marzio, R., & Bonifacci, P. (2019). Emotional processes in human-robot interaction during brief cognitive testing. *Computers in Human Behavior*, 90, 331-342. DOI: 10.1016/j.chb.2018.08.013
18. **Desideri, L.**, Ottaviani, C., Cecchetto, C., Bonifacci, P. (2019). Mind wandering, together with Test Anxiety and Self-Efficacy, Predict Student's Academic Self-Concept but not Reading Comprehension Skills. *British Journal of Educational Psychology*, 89(2), 307-323. DOI:10.1111/bjep.12240
19. Hughes-Roberts, T., Brown, D., Standen, P., **Desideri, L.**, Negrini, Rouame, A., Malavasi, M., Wager, G., Hasson, C. (2019). Examining Engagement and Achievement in Learners with Individual Needs through Robotic-Based Teaching Sessions. *British Journal of Educational Technology*. DOI: 10.1111/bjet.12722

2018

20. **Desideri, L.**, Negrini, M., Malavasi, M., Cutrone, M. C., Hoogerwerf, E.-J., Bonifacci, P. (2018). Using a Humanoid Robot as a Complement to Interventions for Children with Autism Spectrum Disorder: A Pilot Study. *Advances in Neurodevelopmental Disorders*. DOI: 10.1007/s41252-018-0066-4
21. **Desideri, L.**, Bonifacci, P. Verbal and Nonverbal Anticipatory Mechanisms in Bilinguals (2018). *Journal of Psycholinguistic Research*, 47(3), 719-739. DOI: 10.1007/s10936-017-9556-1

22. **Desideri, L.**, Tarabelloni, G., Nanni, I., Malavasi, M., Nori, R., Bonifacci, P. (2016). An eye-controlled version of the Kaufman Brief Intelligence Test 2 (KBIT-2) to assess cognitive functioning. *Computers in Human Behavior*, 63, 502-508. DOI 10.1016/j.chb.2016.05.077

2016

23. **Desideri, L.**, Trioschi, D., Agosto, R., Bizzarri, M., Spagnolin, G., Cantelli, S., Paolini, C., Malavasi, M., Bitelli, C. (2016). The Provision of Powered Mobility Devices in Italy: Linking Process with Outcomes. *Technologies*, 4(3), 31. DOI:10.3390/technologies4030031
24. **Desideri, L.**, Stefanelli, B., Bitelli, C., Roentgen, U., Gelderblom, G.-J., de Witte, L. (2016). Satisfaction of users with assistive technology service delivery: an exploratory analysis of experiences of parents of children with physical and multiple disabilities. *Developmental Neurorehabilitation*, early online. DOI: 10.3109/17518423.2014.988303
25. **Desideri, L.**, Bizzarri, M., Bitelli, C., Roentgen, U., Gelderblom, G. J., de Witte, L. (2016). Implementing a routine outcome assessment procedure to evaluate the quality of assistive technology service delivery for children with physical or multiple disabilities: Perceived effectiveness, social cost, and user satisfaction, *Assistive Technology*, 28(1):30-40. DOI: 10.1080/10400435.2015.1072592

2015

26. Leeb, R., Tonin, L., Rohm, M., **Desideri, L.**, Carlson, T., Millan, J. (2015). Towards independence: A BCI telepresence robot for People with severe motor disabilities, *Proceedings of the IEEE*, 103(6), 969 – 982. DOI: 10.1109/JPROC.2015.2419736
27. Riccio, A., Holz, E., Aricò, P., Leotta, F., Aloise, F., **Desideri, L.**, Rimondini, L., Kübler, L., Mattia, D., Cincotti, F. (2015). A hybrid P300-based Brain Computer Interface to improve usability for people with severe motor disability: Electromyographic signals for error correction during a spelling task. *Archives of Physical Medicine and Rehabilitation*, 96(3), S54-S61. DOI: DOI: 10.1016/j.apmr.2014.05.029
28. Bonifacci, P., **Desideri, L.**, Ottaviani, C. (2015). Familiarity of faces: sense or feeling? An exploratory investigation with eye movements and skin conductance. *Journal of Psychophysiology*, 29(1), 20-25. DOI: 10.1027/0269-8803/a000130

2014

29. Kübler, A., Holz, E., Riccio, A., Kaufmann, T., Zickler, C., Kleih, S., Staiger-Sälzer, P., **Desideri L.**, Hoogerwerf, E.-J., Mattia, D. The User-Centered Design in Brain-Computer Interface (BCI) research: A novel perspective for evaluating the usability of BCI- controlled applications (2014). *PLoS One*, DOI: 10.1371/journal.pone.0112392
30. **Desideri, L.**, loele, F. M., Roentgen, U., Gelderblom, G. J., & de Witte, L. (2014). Development of a team-based method for assuring the quality of assistive technology documentation. *Assistive Technology*, 26(4), 175-183. DOI: 10.1080/10400435.2014.905507
31. Perdakis, S., Leeb, R., Williamson, J., Ramsay, A., Tavella, M., **Desideri, L.**, ... & d R Millán, J. (2014). Clinical evaluation of BrainTree, a motor imagery hybrid BCI speller. *Journal of Neural Engineering*, 11(3), 036003. DOI: 10.1088/1741-2560/11/3/036003
32. Pedrini, L., Sisti, D., Tiberti, A., Preti, A., Fabiani, M., Ferraresi, L.... per il **PREMIA** group. (2014). Chi, perché e in che modosi rivolge ai servizi di neuropsichiatria infantile? *Giornale Italiano di Neuropsichiatria*, 34, 180-190.

2013

33. **Desideri, L.**, Mingardi, A., Stefanelli, B., Tanzini, D., Bitelli, C., Roentgen, U., & de Witte, L. (2013). Assessing children with multiple disabilities for assistive technology: A framework for quality assurance. *Technology and Disability*, 25(3), 159-166. DOI: 10.3233/TAD-130378
34. **Desideri, L.**, Roentgen, U., Hoogerwerf, E. J., & de Witte, L. (2013). Recommending assistive technology (AT) for children with multiple disabilities: A systematic review and qualitative synthesis of models and instruments for AT professionals. *Technology and Disability*, 25(1), 3-13. DOI: 10.3233/TAD-130366

2011

35. Zickler, C., Riccio, A., Leotta, F., Hillian-Tress, S., Halder, S., Holz, E., **Desideri, L.**, ... & Kübler, A. (2011). A brain-computer interface as input channel for a standard assistive technology software. *Clinical EEG and Neuroscience*, 42(4), 236-244. DOI: 10.1177/155005941104200409
36. Pedrini, L., Colasurdo, G., Costa, S., Fabiani, M., Ferraresi, L., Franzoni, E., ... de Girolamo, G. and the **PREMIA Group** (2012). The characteristics and activities of child and adolescent mental

health services in Italy: a regional survey. *BMC Psychiatry*, 12(1), 7. DOI: 10.1186/1471-244X-12-7

Contributions in peer-reviewed
Conferences

37. Alighieri, S., Favero, F., Polmonari, A., Pedrini, L., Alvarez, M., Calati, R., **Desideri, L.** ... & Sisti, D. (2011). Le caratteristiche strutturali e le variabili di processo dei Servizi di neuropsichiatria dell'infanzia e dell'adolescenza in Italia: uno studio regionale. *Giornale di Neuropsichiatria dell'Età Evolutiva*, 31, 1-11.
38. Calati, R., Pedrini, L., Alighieri, S., Alvarez, M. I., **Desideri, L.**, Durante, D., ... & Polmonari, A. (2011). Is cognitive behavioural therapy an effective complement to antidepressants in adolescents? A meta-analysis. *Acta Neuropsychiatrica*, 23(6), 263-271.
39. Cappai, M., Francia, F., Luppi, G., **Desideri, L.**, Soli, P., Ferri, M., Barbieri, L. Programma regionale psicopatologia infanzia, adolescenza e giovani adulti (0-25) in regione Emilia-Romagna. Poster presentato al Congresso SINPIA - La salute mentale di bambini ed adolescenti, 25-26 Ottobre 2019, Bologna.
40. **Desideri, L.**, Salatino, C., Pigni, L. et al. Using a standard procedure to assess assistive technology service delivery outcome: a proposal from the Italian Network of Independent AT Centers (GLIC). Oral presentation accepted for Global Report on Assistive Technology (GReAT) Consultation, World Health Organization (WHO), 22-23 August 2019, Geneva, Switzerland. Available at: <https://mednet-communities.net/?n1s1y1tw.kgffg55s>
41. Gift, N., de Witte, L., Mavrou, K., Andrich, R., Roentgen, U., Daniels, R., **Desideri, L.**, Donnelly, B., Kanto-Ronkanen, A. Towards a global quality framework for AT service delivery. Oral presentation accepted for Global Report on Assistive Technology (GReAT) Consultation, World Health Organization (WHO), 22-23 August 2019, Geneva, Switzerland
42. **Desideri, L.**, Bonifacci, P., Ottaviani, C. Uso dei robot sociali per la comprensione dell'effetto di evitamento dello sguardo nelle interazioni faccia a faccia. Presentazione orale accettata per il Congresso nazionale AIP, Sezione Sperimentale, XXV Congresso AIP Sezione Sperimentale - Milano-San Raffaele, 18-20 Settembre 2019.
43. **Desideri, L.**, Gherardini, A., Fiordelmendo, V., Malavasi, M., Cesario, L., Montanari, C., Hoogerwerf, E. J. Advancing home-based integrated care for older adults with multiple chronic conditions: preliminary results from the Italian ProACT trial. Oral presentation accepted for the XV AAATE Conference, 27-30 August 2019, Bologna, Italy.
44. Salatino, C., **Desideri, L.**, Andrich, R. Assistive technology outcome measures: a review of recent literature. Oral presentation accepted for the XV AAATE Conference, 27-30 August 2019, Bologna, Italy.
45. **Desideri, L.**, Cesario, L., Gherardini, A., Malavasi, M., Hoogerwerf, E.J. Promoting the use of social robots to engage students with special education needs (SEN): development of a teacher-friendly app. Oral presentation accepted for the XV AAATE Conference, 27-30 August 2019, Bologna, Italy.
46. Lepore, C., Malavasi, M., Cesario, L., Colonna, A., **Desideri, L.** VIVO-Rehab: Coupling humanoid robots with motion sensing devices to support upper limb function assessment of children with Spinal Muscular Atrophy (SMA). Oral presentation accepted for the XV AAATE Conference, 27-30 August 2019, Bologna, Italy.
47. **Desideri, L.**, Croati, G., Gherardini, A., Malavasi, M., Ottaviani, C., Bonifacci, P., Hoogerwerf, E.J. (2018). Gaze aversion and thinking: preliminary evidence from child-robot interaction. Poster presented at 4th Workshop on Virtual Social Interaction, 17-18 December 2018, London, UK
48. **Desideri, L.**, Negrini, M., Malavasi, M., Cutrone, M. C., Hoogerwerf, E.-J., Bonifacci, P. Exploring the use of a humanoid robot to engage children with Autism Spectrum Disorder (ASD). Paper accepted for the AAATE 2017
49. Murphy, E., Doyle, J., Hannigan, C., Smith, S., Kuiper, J., Jacobs, A., Hoogerwerf, E.-J., **Desideri, L.**, Fiordelmondo, V., Malucelli, L., Dinsmore, J. Perceptions and use of technology to support older adults with multimorbidity. Paper accepted for the AAATE 2017
50. Doyle, J., Hoogerwerf, E.J., Kuiper, J., Murphy, E., Hannigan, C., Dinsmore, J., van der Auwermeulen, T., Albert, J., Jacobs, A., Malucelli, L., **Desideri, L.**, Fiordelmondo, V. Designing a Proactive, Person-Centred, Digital Integrated Care System. Paper presented at 17th International Conference for Integrated Care 2017, 8-10 May 2017, Dublin, Ireland.
51. Malavasi, M., Turri, E., Motolese, M. R., Marxer, R., Farwer, J., Christensen, H., . . . Green, P. (2016, June 20). An Innovative Speech-Based Interface to Control AAL and IoT Solutions to Help People with Speech and Motor Disability. In: Cavallo F., Marletta V., Monteriù A., Siciliano P. (eds) Ambient Assisted Living. ForItAAL 2016. Lecture Notes in Electrical Engineering, vol 426. Springer, Cham
52. Green, P., Marxer, R., Cunningham, S., Christensen, H., Rudzicz, F., Yancheva, M., Coy, A., Malavasi, M., **Desideri, L.**, Tamburini, F. (2016). CloudCAST - Remote Speech Technology for Speech Professionals. Interspeech 2016, 8-12 September, San Francisco, USA.

53. Green, P., Mrxer, R., Cunningham, S., Christensen, H., Rudzicz, F., Yancheva, M., Coy, A., Malavasi, M., **Desideri, L.** Remote Speech Technology for Speech Professionals - the CloudCAST initiative. paper accepted for 6th Workshop on Speech and Language Processing for Assistive Technologies, Dresden, Germany, 11 September, 2015.
54. Bitelli, C., **Desideri, L.**, Malavasi, M. (2015). A quality model for service delivery in AAL and AT provision. In B andò, P. Siciliano, V. Marletta, A. Monteriù (Eds), Ambient Assisted Living - Italian Forum 2014, pp. 3-10.
55. Trioschi, D., **Desideri, L.**, Agosto, R., et al. Proposta di programma di valutazione e training delle abilità di guida per ausili elettronici per lo spostamento. [A proposal for a Programme for power mobility devices (PMD) selection and driving skills training]. Proceedings of SIMFER conference, 30 Sept.-1 Oct. 2014, Torino, Italy, p. 169-170
56. Cicione, I., Stefanelli, B., **Desideri, L.**, Errani, L., Labanti, L., Hoogerwerf, E-J. Development education meets AAC: the design of a protocol for AAC-based learning activities on global issues. Poster presented at the 16th Biennial Conference of ISAAC, Lisbon July 19-24, 2014.
57. **Desideri, L.**, Bitelli, C., Brandan, V., de Witte, L. The Employment of KWAZO with Parents of Children with Disabilities in an Italian Region: Preliminary Data on Scale Adaptation and Validation. Proceedings of the 12th biennial European conference of the Association for the Advancement of Assistive Technology in Europe, AAATE 2013, Vilamoura, Portugal, September 2013: p. 1059 – 1063.
58. Hoogerwerf, E-J., **Desideri, L.**, Malavasi, M., Rimondini, M., Kubler, A. Towards a Framework for User Involvement in Research and Development of Emerging Assistive Technologies. Proceedings of the 12th biennial European conference of the Association for the Advancement of Assistive Technology in Europe, AAATE 2013, Vilamoura, Portugal, September 2013: p. 531 - 536.
59. Riccio, A., Holz, E., Aricò, P., Leotta, F., Aloise, F., **Desideri, L.**, Rimondini, M., Kübler, A., Mattia, D., Cincotti, F. A hybrid control of a P300-based BCI: a solution to improve system usability?. Poster presented at the BCI Meeting 2013 Fifth International Meeting Asilomar, California June 2-3, 2013.
60. Riccio, A., Holtz, E., Aricò, P., Leotta, F., Aloise, F., **Desideri, L.**, Hoogerwerf, E-J., Kubler, A., Mattia, D., Cincotti, F. Towards a Hybrid Control of a P300-based BCI for Communication in Severely Disabled End-Users. 4th Workshop of the TOBI Project: Practical Brain-Computer Interfaces for End-Users: Progress and Challenges. Sion, Switzerland, January 23-25, 2013.
61. **Desideri, L.**, Bonifacci, P., Bellocchi, S., Contento, S. Uno sguardo ai numeri: Processi di stima e bias attentivi attraverso un compito di movimenti oculari. Poster presentato al XVI Congresso Nazionale della Sezione di Psicologia Sperimentale, Bologna 2/3 Settembre 2010
62. Bonifacci P., Bellocchi S., **Desideri L.**, Contento S. (2010). La valutazione delle difficoltà di letto scrittura attuali e pregresse nel primo biennio della scuola superiore: uno studio nella provincia di Forli-Cesena. XIX CONGRESSO NAZIONALE AIRIPA I DISTURBI DELL'APPRENDIMENTO Riassunti degli interventi. XIX CONGRESSO NAZIONALE AIRIPA I DISTURBI DELL'APPRENDIMENTO. IVREA. 15-16 Ottobre 2010. (pp. 91). PADOVA: Unipress (ITALY).
63. **Desideri, L.**, Bonifacci, P. Sguardi incongruenti creano conflitto? Varianti del compito ANT con stimoli ecologici. Poster presentato al XIV Congresso nazionale AIP, Sezione Sperimentale. Padova, 18\19\20 Settembre 2008.
64. Bonifacci, P., **Desideri, L.**, Contento S. Autonomic responses and eye movement patterns when looking at family members, friends, strangers and objects. Poster presentato alla 14° European Conference on Eye Movements. Potsdam, Germania, 19\23 Agosto 2007.
65. **Desideri, L.**, Bonifacci, P. Conflict in the Family: a flanker task with familiar faces and gaze direction. Poster presentato al RAW - Rovereto Attention Workshop. Rovereto, 11\13 Ottobre 2007.
66. Bonifacci P., **Desideri L.**, Contento S. (2007). Autonomic responses and eye movement patterns when looking at family members, friends, strangers and objects. Journal of Eye Movement Research, Special Issue: Abstract of the ECEM 2007 14th European Conference on Eye Movements, (PB-43) p. 156.

Other relevant publications

Conference proceedings (Editor)

- **Desideri, L.**, de Witte, L., Chattat, R., Hoogerwerf, E.J. Global Challenges in Assistive Technology: Research, Policy and Practice. Proceedings of the XV Conference of the Association for the Advancements of Assistive Technology in Europe, 28-30 August 2019, Bologna, Italy. Available for download:
https://aaate2019.eu/wp-content/uploads/sites/24/2019/08/AAATE2019_Proceedings.pdf

Book chapters

- Traina, I., Boyle, B., Mackeogh, T., Yakkundi, A., Owuor, J., Clinton, L. M., Power, A.D., **Desideri, L.**, et al. (2020). The choice and use of enabling technologies in educational environments: Research findings and case report. In E. J. Hoogerwerf, K. Mavrou, & I. Traina (Eds.) *The Role of Assistive Technology in Fostering Inclusive Education* (pp. 75-107). Routledge.
- Hoogerwerf, E-J., **Desideri, L.**, Malavasi, M., Rimondini, M., Donegan (2014). BCI as an emerging assistive technology (AT): the AT professionals' perspective. In G. Grüber & E. Hildt (Eds.) *Brain-Computer-Interfaces in their Ethical, Social and Cultural Contexts* (pp. 63-75). Springer Berlin: Heidelberg.
- Holz, E. M., Kaufmann, T., **Desideri, L.**, Malavasi, M., Hoogerwerf, E. J., & Kübler, A. (2012). User centred design in BCI development. In *Towards practical brain-computer interfaces* (pp. 155-172). Springer Berlin: Heidelberg.

White papers

- Digital Inclusion: A white paper (2017). Available at:
http://www.entelis.net/sites/all/files/digital_inclusion-a_white_paper_final_0.pdf

I authorize the treatment of my personal data included in the CV in accordance with the Legislative Decree 30 June 2003, n. 196 "Code regarding the protection of personal data" and of the GDPR (EU Regulation 2016/679).

Bologna, 6 September 2021

