

Maria Claudia Buzzi: Curriculum Vitae

Institute of Informatics and Telematics (IIT) - Italian National Research Council (CNR)
v. Moruzzi, 1 – 56124 Pisa (PI)
email: claudia.buzzi@iit.cnr.it
website: <https://www.iit.cnr.it/en/claudia.buzzi>

CURRENT POSITION

01/2021 Senior Technologist, Institute for Informatics and Telematics of the National Research Council (IIT-CNR), Pisa, Italy

07/2001 - 12/2020 Permanent Technologist, Institute for Informatics and Telematics of the National Research Council (IIT-CNR), Pisa, Italy

EDUCATION

Master's degree in Computer Science, University of Pisa (Italy), graduated in December 1995

Post-degree "Innovation and Technological Management for SME", SAS Sant'Anna, Pisa, October 1996

RESEARCH INTERESTS

Current interests: Human-computer interaction (HCI)
Accessibility and Usability of User Interfaces
e-health and wellbeing
web and mobile technologies
e-government
e-learning tools for disabilities (blindness, autism and cognitive impairment)

MAIN RESEARCH ACHIEVEMENTS

I have published more than 80 peer-reviewed papers, of which

- 7 international journals
- more than 60 international conferences and workshops
- 8 book chapters

SUPERVISING

- Co-supervisor of 2 PhD theses in the area of Computer Engineering
- Co-supervisor of 13 MSc theses in the time period 2014-2021

TEACHING

- Teaching Assistant for the course in Assistive technologies for teaching, Degree in Humanistic Informatics, University of Pisa from 2015:
<http://didawiki.di.unipi.it/doku.php/informaticaumanistica/tcd/start>
- Teaching Assistant for the course in Inclusive Didactic Technologies, Degree in Primary Education Sciences, University of Pisa, 2020-2021
- Lecturer on "Accessible Technologies for Teaching" at the Master Course on Mathematics Education with New Technologies, University of Pisa, 2017 and 2018
- Lecturer on "Assistive and didactic technologies for the inclusion of people with cognitive disabilities" Master Course on Valorization of different skills and inclusive education, Univ. of Pisa, March 2020.
- Lecturer on "Assistive and didactic technologies for the inclusion of people with cognitive disabilities" Master Course on Valorization of different skills and inclusive education, Univ. of Pisa, June 2021.
- Lecturer in the module "Examples of ICT tools to support cognitive disabilities" within the BES course for medical staff and teachers, Pisa 7 April 2017 and 3 February 2018
- Lecturer for the ICT module (Information and Communication Technologies for Special Didactics), training course for teachers, University of Pisa, 2013-2014, 2014-2015
(<http://didawiki.di.unipi.it/doku.php/tic-didspec/start>)

CNR Responsibilities

- January 2015 - December 2018: head of the WAFI Research Group of IIT-CNR (25+ people)

- Scientific coordinator for the activities carried out in more than 10 contracts for Research Assistant (Assegno di Ricerca) positions
- Member of the Board of the Institute of Informatics and Telematics (Consiglio di Istituto) of CNR, 2003 – 2014
- Member or president of commission for 14 Research Assistant positions (Assegno di Ricerca), 8 technical position (researchers, technologists and technicians), and several professional collaborations
- Pisa CNR Research Area Deputy for the Tuscany Life Science Cluster
- Member of the technical committee for e.Tuscany Compliance e Reuse
- IIT-CNR Deputy for the Project Area: Multimedia, Data, Content of the 'Engineering, ICT and technologies for energy and transportation' CNR Department (2015-2019)
- IIT-CNR Scientific manager in the collaboration agreement with ISTI-CNR, IFC-CNR and Consorzio Metis for research activities regarding eHealth
- Member of the Board of the Italian W3C Office (2012 - June 2015)

EXPERIENCE IN NATIONAL PROJECTS

Coordinator of several regional and national projects since 2002. Main Projects and role:

1. RT: FAR FAS "VITA NOVA: an adaptive service to reduce cardiovascular and metabolic risk in perimenopausal and menopause women" (Far Fas 2014 Regione Toscana), 24 April 2016 - 25 October 2018 - IIT-CNR Research Unit Coordinator
2. IIT-CNR project: Suoniamo (Let's play music) for developing an educational methodology and digital tools for teaching music to students with autism spectrum disorder (2018 - 2022) - Coordinator
3. RT - CENTER OF EXPERTISE ON INTERNET TECHNOLOGIES, NETWORKS AND SERVICES of the Tuscany Region, 3 February 2014 - 31 December 2017 - Coordinator
4. Amici della Stella Maris: PROBLEM SOLVING project, for the development of cognitive training of the Problem Solving executive function for users with intellectual disabilities, 2016 - 2017. <https://cittaeducante.iit.cnr.it/index.php?lang=it#games> - Coordinator
5. Amici della Stella Maris: CARPET DIEM, an Interactive Cognitive-Motor Training system to support physical activity in children with a mild or moderate cognitive disability, by combining cognitive tasks and gross motor movements for a simultaneous co-training. (2016-2017) - Coordinator
6. MIUR 2014-2017: THE EDUCATING CITY: project that aims to help the creation of an "educating city" <http://www.cittaeducante.it/>. Realization of a platform for cognitive training: <https://cittaeducante.iit.cnr.it/> (2014-2018) - Participant
7. Collaboration agreement with the Digital Culture Laboratory of the University of Pisa and the Glocandia association for the CONTATTO project: development of a website to make it easier to travel on public transport for people in a state of vulnerability (IIT protocol No. 7539 of 26/09/2017). <http://contatto.stagewau.iit.cnr.it/index.php> (2017-2018) - Scientific manager
8. Collaboration agreement among IIT-CNR, Department of Computer Science of the University of Pisa, Pediatric Dentistry Department of the Santa Chiara Hospital, Pisa, and Pisa Autism Association for MyDentist, a web application to help children with autism become gently accustomed to dental care (IIT protocol No. 7539 of 26/09/2017) 2017-2024 <https://mydentist.iit.cnr.it/index.php?lang=en> - Scientific manager
9. HEALTHBOOK PROJECT: development of a Facebook application to collect data concerning adherence to the Mediterranean diet for cardiovascular and neurological degenerative diseases prevention, in collaboration with IFC-CNR (2014-2016) - Participant
10. RT: ADA PROJECT - HOME ADAPTATION FOR PERSONAL AUTONOMY (DGRT No. 865/2016) for the Tuscany Region managed by ISTI-IIT, (2017) - External participant
11. PAR FAS RT: "ABCD SW" (Autistic Behavior & Computer-based Didactic SW) - FAS 2007 2013 Delibera CIPE 166/2007 PAR FAS Linea di Azione 1.1.a.3., 2011-2013, <http://abcd.iit.cnr.it/wordpress/> - Coordinator
12. IRCCS Stella Maris: "Stella Software" project. Design and development of training software to support the cognitive development of users affected by Down syndrome (2013) - Coordinator
13. Center of expertise on Internet Technologies, Networks and Services of Tuscany Region, 2010 – 2013 - Coordinator
14. IIT-CNR project: Didactic SW for autistic children, 2011-2013 - Coordinator

15. National project by the Italian Presidency of the Council of Ministers: EVOLUTION AND TECHNOLOGICAL INTEROPERABILITY OF THE ELECTRONIC HEALTH RECORD, 2011 – 2013 - IIT-CNR Research Unit Coordinator
16. National project by the Italian Presidency of the Council of Ministers: ITALIAN ELECTRONIC HEALTH RECORDS INFRASTRUCTURE, (2009 - 2010): IIT-CNR Research Unit Coordinator
17. RT - Center of Expertise on Internet Technologies, Networks and Services of the Tuscany Region, 2007 – 2010 - Coordinator
18. Regional Project: Tuscany Internet eXchange, technological support for the exploitation of the Tuscany Internet eXchange point, 2002, 2006 - Coordinator

Activities in the Research Community

International Project Review Roles

Evaluator for a project proposal to the DFG (Deutsche Forschungsgemeinschaft), the largest independent research funding organization in Germany.

Scientific Program Committees of International Conferences and Workshops

- ACM CHItaly, the biannual Conference of the Italian SIGCHI Chapter <https://www.chitaly2019.org/scientific-committee>, <http://sites.unica.it/chitaly2017/commitee>
- ACM AVI 2014, 2016, 2018, 2020 - International Working Conference on Advanced Visual Interfaces <https://sites.google.com/dis.uniroma1.it/avi2018/committees>
- IEEE/WIC/ACM International Conference on Web Intelligence (WI'05, WI'06, WI'07, WI'08, WI'12, WI'13)
- 2012 IEEE Symposium on Business, Engineering & Industrial Applications (ISBEIA 2012)
- 2012 IEEE Colloquium on Humanities, Science & Engineering Research (CHUSER 2012)
- IHCI (from 2011 to 2015), IHCI 2018, IHCI2019, IHCI2020, IHCI2021 - IADIS Int. Conf. on Interfaces and Human Computer Interaction (<http://ihci-conf.org/committees/>)
- WEBIST (from 2005 to 2021) - Int. Conf. on Web Information Systems and Technologies <http://www.webist.org/ProgramCommittee.aspx?y=2018>
- SMAP (from 2006 to 2014) International Workshop on Semantic Media Adaptation and Personalization <http://www.smap2014.org/committees.php>
- ICWI (from 2004 to 2015) - IADIS International Conference WWW/Internet
- LOD2014 - Linked Open Data: where are we?, W3C.IT Workshop, <http://www.w3c.it/events/2014/lo2014/#committees>
- HCITOH 2010, 2011, 2012 International Workshop on Human-Computer Interaction, Tourism and Cultural Heritage
- ADNTIC 2010, 2011: International Conference: Advances in New Technologies, Interactive Interfaces and Communicability
- KGCM (from 2007 to 2011): International Conference on Knowledge Generation, Communication and Management
- WMSCI 2010, 2011: World Multi-Conference on Systemics, Cybernetics and Informatics
- S2ES 2010, 2011: International Symposium on Science 2 and Expansion of Science
- Parallel Session: Behavior Computer Animation, Communicability and Education for All - HCI International 2011 - http://www.ainci.com/communicability-ficarra/hci_communicability.html
- CCGIDIS 2011, 2012: First International Symposium on Communicability, Computer Graphics and Innovative Design for Interactive Systems
- ICEME 2011: 2nd International Conference on Engineering and Meta-Engineering
- ITS 2012, Internet Technologies & Society
- SOIC 2005 - 2007, International symposium on Social and Organizational informatics and Cybernetics

Paper Reviewer: Journals

- Universal Access in the Information Society (UAIS), Springer, <http://www.springer.com/computer/hci/journal/10209>
- Multimedia Tools and Applications, Springer <http://link.springer.com/journal/11042>
- Information Processing & Management (IP&M) - Elsevier, <https://www.journals.elsevier.com/information-processing-and-management>
- IEEE Transactions on Information Technology in BioMedicine, <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=4233>
- Journal of Assistive Technologies, Emerald/Insight <http://www.emeraldinsight.com/journal/jat>

- Methods of Information in Medicine <https://methods.schattauer.de/home.html>
- Journal of Enabling Technologies <https://www.emeraldinsight.com/journal/jet>
- Journal of Medical Internet Research <https://www.jmir.org/>
- Journal of Big Data Intelligence (IJBDI) <https://www.inderscience.com/jhome.php?jcode=ijbdi>
- International Journal of Science and Technology Education Research www.academicjournals.org/IJSTER
- WIAS, Web Intelligence and Agent Systems, <http://wi-consortium.org/wicweb/html/journal.php>

Paper Reviewer: Conferences

- AIUCD 2021 - DH per la società: eguaglianza, partecipazione, diritti e valori nell'era digitale <https://aiucd2021.labcd.unipi.it/convegno/revisori/>
- ACM Interaction Design and Children (IDC 2018)
- IFIP TC.13 International Conference on Human-Computer Interaction, Interact 2009, Interact 2013, Interact 2015, Interact 2017, Interact 2021
- ACM CHI 2016 - Human-Computer Interaction Conference
- ACM NordiCHI 2014 - Nordic forum for Human-Computer Interaction
- ACM OzCHI 2013, OzCHI 2012 - Australian Human-Computer Interaction <http://www.ozchi.org/2013/>
- International Multi-Conference on Engineering and Technological Innovation IMETI 2011
- Track "Network Protocols and Network Performance" in the Sixth International Conference on Broadband and Wireless Computing, Communication and Applications BWCCA 2011
- First International Conference on Engineering and Meta-Engineering ICEME 2010
- 3rd International Multi-Conference on Engineering and Technological Innovation IMETI 2010

List of Publications

Journal Papers

- J1. Antonio Narzisi, Mariasole Bondioli, Francesca Pardossi, Lucia Billeci, Maria Claudia Buzzi, Marina Buzzi, Martina Pinzino, Caterina Senette, Valentina Semucci, Alessandro Tonacci, Fabio Uscidda, Benedetta Vagelli, Maria Rita Giuca, Susanna Pelagatti: "Mom Let's Go to the Dentist!" Preliminary Feasibility of a Tailored Dental Intervention for Children with Autism Spectrum Disorder in the Italian Public Health Service, 2020, Brain Sciences
- J2. M.C. Buzzi, M. Buzzi, E. Perrone, C. Senette: Personalized Technology-Enhanced Training for People with Cognitive Impairment, Universal Access in the Information Society, November 2019, Volume 18, Issue 4, pp 891–907, <https://link.springer.com/article/10.1007/s10209-018-0619-3>
- J3. S. Artoni, L. Bastiani, M.C. Buzzi, M. Buzzi, O. Curzio, S. Pelagatti, C. Senette: Technology-enhanced ABA Intervention in Children with Autism: A Pilot Study, march 2018, Vol. 17, Issue 1, pp. 1919-210, Universal Access in the Information Society (UAIS), <https://link.springer.com/article/10.1007/s10209-017-0536-x>
- J4. M.C. Buzzi, M. Buzzi, B. Leporini, A. Trujillo, Analyzing visually impaired people's touch gestures on smartphones, February 2017, Volume 76, Issue 4, pp 5141–5169, Multimedia Tools and Applications <https://link.springer.com/article/10.1007/s11042-016-3594-9>
- J5. M.C. Buzzi, M. Buzzi, D. Franchi, D. Gazze, G. Iervasi, A. Marchetti, A. Pingitore, M. Tesconi, Facebook: a New Tool for Collecting Health Data?, 2017, Multimedia Tools and Applications, <https://link.springer.com/article/10.1007/s11042-015-3190-4>
- J6. S. Artoni, M.C. Buzzi, M. Buzzi, C. Fenili, B. Leporini, S. Mencarini, C. Senette: A portable application for supporting ABA intervention, Emerald Group Publishing Limited, Journal of Assistive Technologies, Vol. 7, Issue 2, 78-92 (2013), <https://www.emeraldinsight.com/doi/abs/10.1108/17549451311328763?journalCode=jat>
- J7. Leporini B., Buzzi M.C., Buzzi M.: "Providing Web Accessibility for the Visually Impaired", ERCIM News 2010 (80), <https://ercim-news.ercim.eu/en80/rd/providing-web-accessibility-for-the-visually-impaired>.
- J8. M.C. Buzzi, P. Venerosi: Mediterranean Project: Research and Training for Developing Countries, ERCIM News 1998 (32), http://www.ercim.org/publication/Ercim_News/enw32/buzzi.html

Book Chapters

- BC1. M.C. Buzzi, M. Buzzi, C. Senette: Piattaforma di giochi cognitivi per favorire l'apprendimento in bambini con disabilità cognitiva lieve e sindrome autistica, in "La Città educante - Metodologie e tecnologie innovative a servizio delle Smart Communities", a cura di Alessandra Raffone. Liguori Editore, 2018

- BC2. M.C. Buzzi, M. Buzzi, A. Trujillo, Towards Pervasive Predictive Analytics in Interactive Prevention and Rehabilitation for Older People, Communications in Computer and Information Science book series (CCIS, volume 665), 2017, https://link.springer.com/chapter/10.1007/978-3-319-69694-2_1
- BC3. M.C. Buzzi, E.C., M. Ciampi, F. Folino, P. Mori, P. Storniolo, D. Talia, M. Urso: Linee guida per il cloud in sanità, CNR SeGID Collana Documentalia, 2013, <https://www.iit.cnr.it/node/24429>
- BC4. M.C. Buzzi, M. Buzzi, B. Leporini, G. Mori: Designing E-learning Collaborative Tools for Blind People, 2012, E-Learning / Book 3, ISBN 979-953-307-687-3, Book edited by: Dr. Elvis Pontes <https://www.intechopen.com/books/e-learning-long-distance-and-lifelong-perspectives/designing-e-learning-collaborative-tools-for-blind-people>
- BC5. Aracri, M.C. Buzzi, E. Cardillo, M.T. Chiaravalloti, M. Ciampi, A. Coronato, M. Cossentino, G. De Pietro, I. Florio, A. Folino, F. Folino, A. Gebrehiwot, R. Guarasci, F. Iozzi, E. Pasceri, R. Rizzo, P. Storniolo, A.M. Urso: Il Fascicolo Sanitario Elettronico - Infrastruttura tecnologica e codifica dei dati - L'identità federata, CNR SeGID Collana Documentalia, 2012, <https://www.libreriauniversitaria.it/fascicolo-sanitario-elettronico-infrastruttura-tecnologica/libro/9788890633416>
- BC6. M.C. Buzzi, F. Donini, A. Gebrehiwot, A. Lunardelli, C. Lucchesi, P. Mori: Italian Electronic Health Record: a proposal of a Federated Authentication and Authorization Infrastructure, Blue Herons, 2012, <https://www.iit.cnr.it/en/node/15981>
- BC7. M.C. Buzzi, M. Buzzi, B. Leporini, C. Senette: Electronic Commerce: a great opportunity for the Blind, Blue Herons, 2011
- BC8. M.C. Buzzi, Buzzi M., Leporini B.: Accessibility and Usability of Web Content and Applications, in "Quality and Communicability for Interactive Hypermedia Systems", IGI Global, ISBN: 978-1-61520-763-3, 2010, <https://www.igi-global.com/chapter/accessibility-usability-web-content-applications/41084>

Conference and Workshop Proceedings

- C1. Maria Teresa Paratore, Maria Claudia Buzzi, Marina Buzzi, Barbara Leporini: An Enriched Emoji Picker to Improve Accessibility in Mobile Communications, 978-3-030-85622-9, INTERACT 2021, Part I, IFIP AICT 12932, https://link.springer.com/chapter/10.1007/978-3-030-85623-6_25
- C2. Caterina Senette, Maria Claudia Buzzi, Marina Buzzi, Amaury Trujillo: Visual aids for teaching piano to students with autism: Designing a Web app through practice, EC-TEL2021, https://link.springer.com/chapter/10.1007/978-3-030-86436-1_4
- C3. M. C. Buzzi; M. Buzzi; M. Maugeri; G. Paolini; A. Sbragia; C. Senette; A. Trujillo: Didattica digitale e Inclusione: Il progetto Suoniamo, 2021, Conferenza Garr 2021
- C4. Valentina Amenta, Maria Claudia Buzzi, Marina Buzzi, Antonella Montemurro: Internet of Things and Privacy, ES2021
- C5. Antonio Narzisi, Mariasole Bondioli, Francesca Pardossi, Lucia Billeci, Maria Claudia Buzzi, Marina Buzzi, Martina Pinzino, Caterina Senette, Valentina Semucci, Alessandro Tonacci, Fabio Uscidda, Benedetta Vagelli, Maria Rita Giuca, Susanna Pelagatti: La tecnologia come strumento per ridurre l'ansia dal dentista nei bambini con autism, AIUCD2021
- C6. Maria Teresa Paratore, Maria Claudia Buzzi, and Marina Buzzi. 2020. Designing a Self-help Mobile App to Cope with Avoidance Behavior in Panic Disorder. In Proceedings of the International Conference on Advanced Visual Interfaces (AVI '20). Association for Computing Machinery, New York, NY, USA, Article 53, 1–5. DOI: <https://doi.org/10.1145/3399715.3399816>
- C7. Amaury Trujillo, Maria Claudia Buzzi, Marina Buzzi, and Caterina Senette. 2020. A Web App for Teaching Piano to Students with Autism. In Proceedings of the International Conference on Advanced Visual Interfaces (AVI '20). Association for Computing Machinery, New York, NY, USA, Article 76, 1–3. DOI: <https://doi.org/10.1145/3399715.3399946>
- C8. Pardossi Francesca, Bondioli Mariasole, Billeci Lucia, Buzzi Maria Claudia, Buzzi Marina, Pinzino Martina, Semucci Valentina, Senette Caterina, Uscidda Fabio, Vagelli Benedetta, Pelagatti Susanna, Giuca Maria Rita, Narzisi Antonio: Dental Health of Children with Autism: Controlling Anxiety Using Dental Care Training via ICT, 2020, International Society for Autism Research (INSAR) 2020 (Virtual) Annual Meeting
- C9. M. C. Buzzi; M. Buzzi; M. Maugeri; G. Paolini; A. Sbragia; C. Senette; A. Trujillo: Il Progetto Suoniamo: insegnare a suonare il pianoforte ai ragazzi con autismo utilizzando la tecnologia, 2020, Didattica 2020

- C10. Bondioli M., Pelagatti S., Buzzi Maria Claudia, Buzzi M., Senette C., Uscidda F., Giuca M.R., Pardossi F., Narzisi A., Pinzino M., Semucci V., Vagelli B.; Dental Health of Children with Autism: Controlling Anxiety Using Dental Care Training via ICT, 2019, 12th Autism-Europe International Congress https://www.autismeurope-congress2019.com/upload/programme/abstract_book.pdf
- C11. M.C. Buzzi, G. Paolini, C. Senette, M. Buzzi, M.T. Paratore; Designing an accessible web app to teach piano to students with autism; Conf. of the Italian SIGCHI 2019, <https://dl.acm.org/citation.cfm?doid=3351995.3352037>
- C12. M.C. Buzzi, M. Buzzi, M. Maugeri, G. Paolini, M.T. Paratore, A. Sbragia, C. Senette, A. Trujillo; Which Virtual Piano Keyboard for Children with Autism? A Pilot Study; Int. Conf. on HCI 2019, Springer https://link.springer.com/chapter/10.1007%2F978-3-030-30033-3_22
- C13. A. Trujillo, M.C. Buzzi; Classification of Cardiometabolic Risk in Early Middle-aged Women for Preventive Self-care Apps; Adjunct Publication of the 27th Conference on User Modeling, Adaptation and Personalization, 2019, ACM, <https://dl.acm.org/citation.cfm?doid=3314183.3323677>
- C14. M.C. Buzzi, M. Buzzi, F. Ragni; Accessibility of Italian E-government services: the perspective of users with disabilities, 2018, Electronic Governance and Open Society: Challenges in Eurasia (EGOSE 2018), pp 281-292 https://link.springer.com/chapter/10.1007/978-3-030-13283-5_21
- C15. C. Senette, M.C. Buzzi, M.T. Paratore, A. Trujillo, Persuasive design of a mobile coaching app to encourage a healthy lifestyle during menopause, 17th International Conference on Mobile and Ubiquitous Multimedia (MUM 2018), <https://dl.acm.org/citation.cfm?doid=3213586.3226193>
- C16. C. Senette, A. Trujillo, E. Perrone, S. Bargagna, M.C. Buzzi, M. Buzzi, B. Leporini, A.E. Piatti, An Interactive Cognitive-Motor Training System for Children with Intellectual Disability, HCI International 2018, https://link.springer.com/chapter/10.1007%2F978-3-319-92049-8_42
- C17. M. Bondioli, M.C. Buzzi, M. Buzzi, S. Pelagatti, C. Senette: ICT to Support Dental Care of Children with Autism: an Exploratory Study, HCI International 2018, https://link.springer.com/chapter/10.1007%2F978-3-319-92049-8_34
- C18. M. Bondioli, S. Chessa, S. Pelagatti, A. Narzisi, M. Lanini, M. Buzzi, M.C. Buzzi, C. Senette, F. Uscidda, IT solutions for the improvement of the quality of life of Autistic People, i-Cities2018 - 4th Italian Conference on ICT for Smart Cities and Communities
- C19. M. Bondioli, M.C. Buzzi, M. Buzzi, M.R. Giuca, F. Pardossi, S. Pelagatti, V. Semucci, C. Senette, F. Uscidda, B. Vagelli: MyDentist: Making Children with Autism familiar with Dental Care, ISAmI 2018, https://link.springer.com/chapter/10.1007/978-3-030-01746-0_43
- C20. A. Trujillo, C. Senette, M.C. Buzzi: Persona design for just-in-time adaptive and persuasive interfaces in menopause self-care, HCI International 2018 https://link.springer.com/chapter/10.1007%2F978-3-319-91806-8_8
- C21. A. Trujillo, M.C. Buzzi: Towards a Fuzzy Rule-based Systems Approach for Adaptive Interventions in Menopause Self-care, HAAPIE 2018, <https://dl.acm.org/citation.cfm?doid=3213586.3226193>
- C22. M. Bondioli, S. Pelagatti, M.C. Buzzi, M. Buzzi, C. Senette, ICT to Aid Dental Care of Children with Autism, 2017, ASSETS '17: 19th International ACM SIGACCESS Conference on Computers and Accessibility, <https://dl.acm.org/citation.cfm?doid=3132525.3134799>
- C23. M.C. Buzzi, M. Buzzi, E. Perrone, B. Rapisarda, C. Senette: Learning games for the cognitively impaired people, 2016, W4A '16 Proceedings of the 13th Web for All Conference, <https://dl.acm.org/citation.cfm?doid=2899475.2899487>
- C24. A. Trujillo, M.C. Buzzi: Participatory User Requirements Elicitation for Personal Menopause App, 2016, ACM NordiChi 2016, <https://dl.acm.org/citation.cfm?doid=2971485.2996737>
- C25. M.C. Buzzi, M. Buzzi, B. Leporini, A. Trujillo Larios: Design of Web-based Tools to Study Blind People's Touch-Based Interaction with Smartphones, 2015, HCI International 2015, https://link.springer.com/chapter/10.1007%2F978-3-319-21380-4_2
- C26. M.C. Buzzi, M. Buzzi, B. Leporini, A. Trujillo: Exploring Visually Impaired People's Gesture Preferences for Smartphones, 2015, CHIItaly 2015 Proceedings of the 11th Biannual Conference on Italian SIGCHI, <https://dl.acm.org/citation.cfm?doid=2808435.2808448>

- C27. M.C. Buzzi, M. Buzzi, A. Trujillo: Healthy Aging through Pervasive Predictive Analytics for Prevention and Rehabilitation of Chronic Conditions, Rehab 2015, <https://dl.acm.org/citation.cfm?doid=2838944.2838980>
- C28. M.C. Buzzi, M. Buzzi, B. Leporini, C. Senette: Playing with geometry: a Multimodal Android App for Blind Children, 2015, CHIItaly 2015 Proceedings of the 11th Biannual Conference on Italian SIGCHI Chapter, <https://dl.acm.org/citation.cfm?doid=2808435.2808458>
- C29. V. Bartalesi, M.C. Buzzi, M. Buzzi, B. Leporini, C. Senette: An Analytic Tool for Assessing Learning in Children with Autism HCI International 2014 - 16th International Conference on HCI, https://link.springer.com/chapter/10.1007%2F978-3-319-07440-5_20
- C30. M.C. Buzzi, M. Buzzi, B. Leporini, G. Mori, V.M.R. Penichet: Collaborative Editing: Collaboration, Awareness and Accessibility Issues for the Blind, MSC'14 - First Int. Workshop on Mobile and Social Computing for collaborative interactions, https://link.springer.com/chapter/10.1007%2F978-3-662-45550-0_58
- C31. S. Bargagna, M. Bozza, M.C. Buzzi, M. Buzzi, E. Doccini, E. Perrone: Computer-based Cognitive Training in Adults with Down's syndrome, HCI International 2014 - 16th International Conference on HCI, https://link.springer.com/chapter/10.1007%2F978-3-319-07440-5_19
- C32. M.C. Buzzi, M. Buzzi, B. Leporini, A. Trujillo: Designing a Text Entry Multimodal Keypad for Blind Users of Touchscreen Mobile Phones, ASSETS 2014- ACM SIGACCESS Conference on Computers and Accessibility, <https://dl.acm.org/citation.cfm?doid=2661334.2661354>
- C33. S. Artoni, M.C. Buzzi, M. Buzzi, S. Pelagatti, C. Senette: Technology-enhanced discriminative programs for children with autism, REHAB 2014, <http://eudl.eu/doi/10.4108/icst.pervasivehealth.2014.255258>
- C34. P. Germanakos, M. Buzzi, M.C. Buzzi: A PROPOSED ASD-CENTRIC FRAMEWORK: THE CASE OF ASDAPT, HCI 2013 - Universal Access in Human-Computer Interaction, https://link.springer.com/chapter/10.1007%2F978-3-642-39191-0_53
- C35. C. Senette, M.C. Buzzi, M. Buzzi, B. Leporini, L. Martusciello: Enriching Graphic Maps to Enable Multimodal Interaction by Blind People, HCI 2013 - Universal Access in HumanComputer Interaction, https://link.springer.com/chapter/10.1007%2F978-3-642-39188-0_62
- C36. M.C. Buzzi, M. Buzzi, F. Donini, B. Leporini, M.T. Paratore: Haptic reference cues to support the exploration of touchscreen mobile devices by blind users, CHIItaly 2013, <https://dl.acm.org/citation.cfm?doid=2499149.2499156>
- C37. M.C. Buzzi, M. Buzzi, B. Leporini, G. Marchesini: Improving user experience in the museum, IADIS International Conferences Interfaces and Human Computer Interaction (IHCI), http://giove.isti.cnr.it/AssetsSitoLab/publications/leporini_ihdc_2013.pdf
- C38. V. Bartalesi, M.C. Buzzi, M. Buzzi, B. Leporini, C. Senette: Monitoring Learning in ABA Teaching of Children with Autism, EC-TEL 2013 Eighth European Conference on Technology Enhanced Learning, https://link.springer.com/chapter/10.1007%2F978-3-642-40814-4_67
- C39. M.C. Buzzi, M. Buzzi, B. Rapisarda, C. Senette, M. Tesconi: Teaching Low Functioning Children with Autism: ABCD SW, EC-TEL 2013 Eighth European Conference on Technology Enhanced Learning, https://link.springer.com/chapter/10.1007%2F978-3-642-40814-4_5
- C40. M.C. Buzzi, M. Buzzi, B. Leporini, M.T. Paratore: Vibro-tactile enrichment improves blind user interaction with mobile touchscreens, Human-Computer Interaction – INTERACT 2013, https://link.springer.com/chapter/10.1007%2F978-3-642-40483-2_45
- C41. M.C. Buzzi, M. Buzzi, D. Gazzé, C. Senette, M. Tesconi: ABCD SW: Autistic Behavior & Computer-based Didactic Software, W4A 2012 - 9th International Cross-Disciplinary Conference on Web Accessibility, <https://dl.acm.org/citation.cfm?doid=2207016.2207037>
- C42. S. Artoni, M.C. Buzzi, M. Buzzi, C. Fenili, B. Leporini, S. Mencarini, C. Senette: Designing a Mobile Application to Record ABA Data, ICCHP 2012, https://link.springer.com/chapter/10.1007%2F978-3-642-34010-9_22
- C43. B. Leporini, M.C. Buzzi, M. Buzzi: Interacting with Mobile Devices Via Voiceover: Usability and Accessibility Issues, OZCHI 2012, <https://dl.acm.org/citation.cfm?doid=2414536.2414591>

- C44. M.C. Buzzi, M. Buzzi, B. Leporini: Investigating mobile learning and accessibility for blind users, International Symposium of Mobile Learning for Visually-Impaired People (ISML-VIP) 2012.
- C45. M.C. Buzzi, M. Buzzi, B. Leporini. Web 2.0: Twitter and the blind. 2011, CHIItaly Proceedings of the 9th ACM SIGCHI Italian Int. Conf. on Computer-Human Interaction: pp. 151-156, <https://dl.acm.org/citation.cfm?doid=2037296.2037333>
- C46. M.C. Buzzi, M. Buzzi, B. Leporini, L. Martusciello. Making Visual Maps Accessible to the Blind. 2011, HCI International 2011 - Universal Access in HCI Users Diversity (2011) LNCS Volume: 6766, pp. 271-280, https://link.springer.com/chapter/10.1007%2F978-3-642-21663-3_29.
- C47. M.C. Buzzi, M. Buzzi, B. Leporini, G. Mori. Educational Impact of Structured Podcasts on Blind Users. 2011, HCI International 2011 - Universal Access in HCI. 2011 LNCS Volume 6768/2011, pp. 521-529, https://link.springer.com/chapter/10.1007%2F978-3-642-21657-2_56.
- C48. M.C. Buzzi, F. Donini, A. Gebrehiwot, A. Lunardelli, C. Lucchesi, P. Mori: Federation and security aspects for the management of the EHR in Italy 2011, ADNTIIC 2011 https://link.springer.com/chapter/10.1007%2F978-3-642-34010-9_3
- C49. S. Artoni, M.C. Buzzi, M. Buzzi, C. Fenili, S. Mencarini. Accessible Education for Autistic Children: ABA-based Didactic Software. 2011, HCI International 2011 Volume 6768/2011, pp. 511-520, https://link.springer.com/chapter/10.1007%2F978-3-642-21657-2_55.
- C50. G. Mori, M.C. Buzzi, M. Buzzi, B. Leporini. A Modified Google Docs UI accessible via screen reader. 2011, ECSCW 2011: The Twelfth European Conference on Computer Supported Cooperative Work.
- C51. P. Germanakos, D. Georgiadis, M. Buzzi, M.C. Buzzi, C. Fenili. A proposed ASD-centric collaborative treatment environment: the underlying role of virtual care teams, 2011, MCIS 2011: 6th Mediterranean Conference on Information Systems, <https://aisel.aisnet.org/mcis2011/8/>
- C52. G. Mori, M.C. Buzzi, M. Buzzi, B. Leporini, V.M. R. Penichet. Collaborative Editing for All: the Google Docs Example. 2011, HCI International, pp. 165-174, https://link.springer.com/chapter/10.1007%2F978-3-642-21657-2_18.
- C53. S. Artoni, M.C. Buzzi, M. Buzzi, F. Ceccarelli, C. Fenili, B. Rapisarda, M. Tesconi. Designing ABA-based Software for Low-Functioning Autistic Children. 2011, ADNTIIC 2011, https://link.springer.com/chapter/10.1007/978-3-642-34010-9_22
- C54. P. Germanakos, D. Georgiadis, M.C. Buzzi, M. Buzzi, C. Fenili. Enhancing Collaboration in ASD-Centric Treatment Environments: A Proposed Architecture. USAB 2011 - Information Quality in eHealth, pp. 225-244, https://link.springer.com/chapter/10.1007%2F978-3-642-25364-5_18.
- C55. B. Leporini, M.C. Buzzi and M. Buzzi. Interacting with the iPad via VoiceOver: accessibility and usability issues. 2011, INTERACT 2011 Workshop on Mobile Accessibility.
- C56. Buzzi M.C., Buzzi M., Leporini B., Akhter F.: "Is Facebook really "open" to all?" IEEE International Symposium on Technology and Society - ISTAS2010, <https://ieeexplore.ieee.org/document/5514621>
- C57. Buzzi M.C., Buzzi M., Leporini B., Mori G., Penichet V.M.R.: "Accessing Google Docs via Screen Reader", 12th International Conference on Computers Helping People with Special Needs - ICCHP 2010, https://link.springer.com/chapter/10.1007%2F978-3-642-14097-6_17
- C58. Buzzi M.C., Buzzi M., Leporini B., Senette C.: "Electronic Commerce "in the Dark", 1st Int. Workshop Human-Computer Interaction, Tourism and Cultural Heritage (HCITOH 2010), https://link.springer.com/chapter/10.1007%2F978-3-642-18348-5_2
- C59. Mori G., Buzzi M.C., Buzzi M., Leporini B.: "Structured Audio Podcasts via Web Text-to-Speech System", 19th International World Wide Web Conference, WWW2010, <https://dl.acm.org/citation.cfm?doid=1772690.1772902>
- C60. Artoni S., Buzzi M.C., Buzzi M., Fenili C.: "Didactic Software for Autistic Children", Advances in New Technologies, Interactive Interfaces and Communicability (ADNTIIC 2010), https://link.springer.com/chapter/10.1007%2F978-3-642-20810-2_8

- C61. Mori G., Buzzi M.C., Buzzi M., Leporini B., Penichet V.M.R.: "Making "Google Docs" User Interface More Accessible for Blind People", ADNTIIC 2010, https://link.springer.com/chapter/10.1007%2F978-3-642-20810-2_4
- C62. Garrido J.E., Penichet V.M.R., Lozano M.D., Buzzi M.C., Buzzi M., Leporini B., Mori G.: "Analysis and Improvement Proposal of Google Documents as a Groupware Tool", XI Congreso Internacional de Interaccion Persona-Ordenador
- C63. M.C. Buzzi, M. Buzzi, B. Leporini: Accessing e-Learning Systems via Screen Reader: An Example. HCI (4) 2009: 21-30, https://link.springer.com/chapter/10.1007%2F978-3-642-02583-9_3
- C64. B. Leporini, M.C. Buzzi, M. Buzzi, G. Mori: Automatically Structuring Text for Audio Learning. HCI (7) 2009: 73-82, https://link.springer.com/chapter/10.1007%2F978-3-642-02713-0_8
- C65. F. Akhter, M.C. Buzzi, M. Buzzi, B. Leporini: Conceptual Framework: How to Engineer Online Trust for Disabled Users. Web Intelligence/IAT Workshops 2009: 614-617, <https://ieeexplore.ieee.org/document/5285017>
- C66. C. Senette, M.C. Buzzi, M. Buzzi, B. Leporini: Enhancing Wikipedia Editing with WAI-ARIA. USAB 2009: 159-177, https://link.springer.com/chapter/10.1007%2F978-3-642-10308-7_11
- C67. M.C. Buzzi, M. Buzzi, B. Leporini, F. Akhter: Usability and Accessibility of eBay by Screen Reader. USAB 2009: 500-51, https://link.springer.com/chapter/10.1007%2F978-3-642-10308-7_37
- C68. M.C. Buzzi, M. Buzzi, B. Leporini, F. Akhter: User Trust of eCommerce Services: perception via screen reader, IEEE International Conference on New Trends in Information and Service Science (NISS 2009) – Beijing (China), <https://ieeexplore.ieee.org/document/5260447>
- C69. M.C. Buzzi, M. Buzzi, B. Leporini, C. Senette: Making Wikipedia Editing Easier for the Blind, NordiCHI 2008, <https://dl.acm.org/citation.cfm?doid=1463160.1463210>
- C70. M.C. Buzzi, P. Venerosi, F. Rabitti e P. Savino: The role of Digital Libraries in Network-Based Training, "EURO-MED MET '98 Conference - The role of the Internet and the World Wide Web in developing the Euro-Mediterranean Information Society", Nicosia – Cipro

National contributions:

- [1] Almanacco della scienza (in press)
- [2] M.C. Buzzi, M. Buzzi, C. Senette: "Interfacce Persuasive e App: Promuovere una Sana Alimentazione attraverso la Tecnologia", Manuale di orientamento sulle corrette abitudini alimentari sul luogo di lavoro", Edizioni CNR, 2017, ISBN 9788880802662 (e-book), <http://www.disba.cnr.it/images/manuale%20mymensa%202017%2009%2008%2012.11.pdf>
- [3] Articolo "Movimento lento" sul progetto ConTatto, pubblicato su La freccia - Trenitalia, novembre 2017.
- [4] M.C. Buzzi, M. Buzzi, B. Leporini, S. Pelagatti. Software per insegnamento precoce a bambini con sindrome autistica: ABCD SW. DIDAMATICA - Informatica per la Didattica, 7-9 Maggio, Pisa (2013)

Technical Reports/note interne

- NI1 C. Senette, M. T. Paratore, M. C. Buzzi: Progettazione e implementazione delle interfacce utente per l'applicazione Vita Nova su piattaforma Android. 2018, NI b4-01-2018
- TR2 P. Ussi, A. Gebrehiwot, M. C. Buzzi: Design di una rete dati geograficamente distribuita: use case della rete dati regionale toscana della Pubblica Amministrazione, 2016
- TR3 M.C. Buzzi, F. Donini, M.C. Buzzi, C. Lucchesi, D. Tagliaferri: Studio per l'integrazione delle componenti InFSE nell'infrastruttura SPC delle Regioni, TR-12/2011.
- TR4 M.C. Buzzi: Sistema di monitoraggio degli operatori privati accreditati al TIX - Descrizione dell'implementazione e delle interfacce utente, TR-12/2006
- TR5 M.C. Buzzi, L. Rossi: Progettazione del sistema di monitoraggio degli operatori privati (ISP) accreditati al TIX, IIT TR-27/2005
- TR6 M.C. Buzzi, F. Dianda, L. Rossi: Componente di sicurezza del TIX e della infrastruttura di RTRT – Indicazioni tecniche su uno stile di gestione della sicurezza orientato ai processi in base alla

normativa ISO/IEC:BS17799:2000, Technical Report IIT TR-07/2004, marzo 2004.

- TR7 M.C. Buzzi, F. Dianda, E. Prati, L. Rossi, M. Sommani Componente di sicurezza del TIX e della infrastruttura di RTRT – Indicazioni tecniche per le fasi di progettazione e gestione, Technical Report IIT TR07/2003, luglio 2003
- TR8 M.C. Buzzi, E. Prati, Sistema informativo del Fondo Sociale Europeo di Regione Toscana – Adeguamenti normativi e correttivi, integrazione della parte finanziaria e gestione liquidazioni, Technical Report IIT-TR-24/2002, dicembre 2002
- TR8 M.C. Buzzi: Sistema informativo della Regione Toscana relativo alle offerte di lavoro pubblicate a mezzo stampa, Technical Report IAT-B4-2000-004, 31 marzo 2000
- TR10 M.C. Buzzi: Sistema informativo dell'attività di formazione professionale della Regione Toscana (analisi, progettazione e descrizione del prototipo realizzato), Technical Report IAT-B4-2000-011, 10 maggio
- TR11 M.C. Buzzi, A. Cirielli, S. Gianetti e P. Parigi, Sistema informativo del Lavoro: Interoperabilità dei Centri per l'Impiego, Technical Report IAT-B4-2000-014, 20 luglio 2000
- TR12 M.C. Buzzi e P. Venerosi: Internet technology supporting distance education: a critical overview Technical Report CNUCE-B4-1998-002, 30 gennaio 1998
- TR13 L. Abba, M. Buzzi e M.C. Buzzi: Progetto Reti di Servizi Territoriali di Informazione ed Orientamento Technical Report IAT-B4-1998-004, maggio 1998

Awards

- Judges Award Microsoft Accessibility Challenge, W4A 2012 - 9th International Cross-Disciplinary Conference on Web Accessibility, 16/17 Aprile 2012, Lyon, France for ABCD SW (Autistic Behavior & Computer-based Didactic SW), M.C. Buzzi, M. Buzzi, Davide Gazzè, C. Senette, Maurizio Tesconi.
- Premio speciale GAG, Concorso DonnaèWeb, 16 Dicembre 2012, Pietrasanta con il Progetto ABCD SW, M.C. Buzzi, M. Buzzi, B. Leporini, S. Pelagatti: http://donnaeweb.it/dew/?page_id=3410

Media

- M.C. Buzzi, M. Buzzi: Bambini autistici, un software didattico gratuito - Article on Il Sole 24 Ore, 11 june 2013, http://abcd.iit.cnr.it/wordpress/sites/default/files/CNR%20Pisa17062013_001.pdf
- Article in the monthly magazine of Frate Indovino, August 2013 issue
- Interview for Corriere della Sera, 13 Dicembre 2009
- ABCD SW press review: http://abcd.iit.cnr.it/wordpress/?page_id=33

Radio Interviews:

- Rai Tg3 Toscana, 07/10/2012, <https://www.iit.cnr.it/node/31036>
- RAI Radio 1, 29/05/2014, <https://www.iit.cnr.it/node/17244>
- Radio Interview: Radio 1 – Start (17 October 2011, min. 38,40) <https://www.iit.cnr.it/node/11628>

I hereby authorize the use of my personal data in accordance to the GDPR 679/16 - "European regulation on the protection of personal data"

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base all'art. 13 del D.lgs 196/2003 e Art. 13 GDPR 679/2016

September 17, 2021

