


Barbara Rita BARRICELLI

 barbara-barricelli.unibs.it

 barbara.barricelli@unibs.it

 +39 030 371 5592

Assistant Professor (Tenure track) | Università degli Studi di Brescia, Italy

Assistant Professor (Tenure track / RTD-B) at the Department of Information Engineering of Università degli Studi di Brescia (Italy). My research interests are Human-Computer Interaction, Human Work Interaction Design, Socio-technical Design, End-User Development, Usability and User eXperience. I have been involved in several International and Italian projects in collaboration with universities, research institutes, and private companies. I am Chair of IFIP WG13.6 Human Work Interaction Design.

EDUCATION

- 2011** | **PhD in Computer Science, Università degli Studi di Milano, Italy**
Thesis: “An Architecture for End-User Development Supporting Global Communities”. Advisor: Prof. Ernesto Damiani (formerly: Prof. Piero Mussio).
- 2007** | **MSc in Information and Communication Technologies, Università degli Studi di Milano, Italy**
Thesis: “Systems for collaborative creation and management of content: an approached based on semantic Web standards”. Advisor: Prof. Piero Mussio.
- 2005** | **BSc in Digital Communication, Università degli Studi di Milano, Italy**
Thesis: “Internationalization and localization of visual interactive systems”. Advisor: Prof. Piero Mussio.

RESEARCH EXPERIENCE

- September 2019** | **Assistant Professor (Tenure track / RTD-B)**
Today | Department of Information Engineering, Università degli Studi di Brescia, Italy
- November 2016** | **Assistant Professor (RTD-A)**
August 2019 | Department of Computer Science, Università degli Studi di Milano, Italy
- June 2014** | **Research fellow (University funds)**
October 2016 | Department of Computer Science, Università degli Studi di Milano, Italy
- January 2014** | **Research fellow (Project funds)**
May 2014 | Department of Computer Science, Università degli Studi di Milano, Italy
- January 2013** | **Leverhulme Trust Visiting Fellow**
December 2013 | University of West London, United Kingdom
- January 2011** | **Research fellow (Project funds)**
December 2012 | Department of Computer Science, Università degli Studi di Milano, Italy
- February 2009** | **Visiting Research Student**
June 2009 | University of Siegen, Germany
- April 2007** | **Research Assistant**
March 2008 | National Research Council (Consiglio Nazionale delle Ricerche - CNR), Istituto per le Tecnologie della Costruzione (Milano/Bari), Italy
- February 2007** | **Research Assistant**
December 2007 | National Research Council (Consiglio Nazionale delle Ricerche - CNR), Istituto per le Tecnologie della Costruzione (Milano), Italy

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| February 2006 | Research Assistant National Research Council (Consiglio Nazionale delle Ricerche - CNR), Istituto per le Tecnologie della Costruzione (Milano), Italy |
| December 2006 | |
| March 2005 | Research Assistant National Research Council (Consiglio Nazionale delle Ricerche - CNR), Istituto per le Tecnologie della Costruzione (Milano), Italy |
| December 2005 | |

RESEARCH PROJECTS

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| USER EXPERIENCE OF CONVERSATIONAL AND TRADITIONAL INTERFACES | 2020 |
| <i>Funded by: Social Things srl</i> | |
| User experience study of interactive systems developed in the Easy4.0 research project. | |
| BULLAUT | 2019 |
| <i>Funded by: Progetto Regione Lombardia</i> | |
| Design, implementation and evaluation of an interactive prototype for collaborative video modelling for autistic students. | |
| METHODS AND TOOLS FOR VIRTUAL REALITY USABILITY AND UX EVALUATION | 2018-2019 |
| <i>Funded by: Università degli Studi di Milano</i> | |
| Creation of an evaluation support system that uses the semiotic evaluation method defined and tested in previous projects. | |
| EASY 4.0 | 2018-2019 |
| <i>Funded by: Progetto Regione Lombardia</i> | |
| Creation of a social network aimed at connecting domestic appliances as IoT objects. | |
| A NEW METHOD FOR VIRTUAL REALITY USABILITY AND UX EVALUATION | 2017-2018 |
| <i>Funded by: Università degli Studi di Milano</i> | |
| Formal definition of the new method of usability and UX evaluation for virtual reality applications and its practical adoption in a user test. | |
| I-VITAE NEW PATHWAYS FOR LIFE | 2017-2019 |
| <i>Funded by: Regione Lombardia</i> | |
| Design and development of an healthcare application in the infertility research domain. | |
| SPACE-IoT | 2017-2019 |
| <i>Funded by: Regione Lombardia</i> | |
| Adaptive system for the interactive design and production of tailor-made furniture. | |
| INTERFACES FOR EMERGENCY SITUATIONS | 2014-2016 |
| <i>Funded by: INMM srl</i> | |
| Study and analysis of usability of interfaces of visual interactive systems for emergency situations (e.g. rescue operations, triage). | |
| SEMIOTIC ENGINEERING METHODS FOR VIRTUAL REALITY UX EVALUATION | 2016-2017 |
| <i>Funded by: Università degli Studi di Milano</i> | |
| Design of a new user experience and usability semiotic evaluation method for virtual reality applications. | |

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| SMARTFIT | 2015 |
| <i>Funded by: Regione Lombardia Open Innovation</i> | |
| Creation of a virtual community for researchers and companies interested in the development of technologies in the field of Quantified Self and Lifelogging. | |
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| SOCIO-TECHNICAL DESIGN OF INTERNET OF THINGS SYSTEMS | 2014-2016 |
| <i>Funded by: Università degli Studi di Milano</i> | |
| Socio-technical study, design, implementation, and validation of visual interactive systems for lifelogging activity. | |
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| PERCEPTUAL ASPECTS IN 3D VISUALIZATION AND IN CALIBRATION OF STEREOSCOPIC MONITORS FOR MEDICAL IMAGING | 2014 |
| <i>Funded by: Barco-FIMI</i> | |
| Design and development of two experiments for the evaluation of a HDR monitor prototype used in the field of medical imaging. | |
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| MANTRA (MOBILE ANTICOAGULANT THERAPY) | 2013 |
| <i>Funded by: Leverhulme Trust and University of West London</i> | |
| Study of acceptability and feasibility of the introduction of mobile devices (and mobile applications) for supporting the management of patients under anticoagulant therapy, in both urban and rural settings. | |
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| SMART-K | 2012 |
| <i>Funded by: Regione Lombardia</i> | |
| Design of user interfaces for industrial context. | |
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| CULTURALWIKI | 2011-2012 |
| <i>Funded by: Regione Lombardia</i> | |
| Definition of a method of integration of several information sources through the use of ontological models aimed at conceptualizing the knowledge developed by domain experts. Design and development of an interactive system for cultural routes aggregation with integration in the system of annotation tools aimed at supporting collaboration among end users. | |
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| IESP (INTERNATIONAL ETRUSCAN SIGLA PROJECT) | 2011-TODAY |
| <i>Funded by: Florida State University and Università degli Studi di Milano</i> | |
| Participatory design and development of an interactive prototype for the collaborative study of Etruscan artefacts with written signs. | |
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| DESIRE NETWORK - CREATIVE DESIGN FOR INNOVATION IN SCIENCE AND TECHNOLOGY | 2008-2013 |
| <i>Funded by: Marie Curie Initial Training Network, FP7 People Programme, PITN-GA-2008-215446</i> | |
| Study of creative design processes applied in the scientific and technological domains. | |
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| SCV (SISTEMA CULTURALE VALCHIAVENNA) | 2008-2011 |
| <i>Funded by: Fondazione Cariplo</i> | |
| Design and development of a system for managing and recording georeferenced objects for the dissemination of cultural content through innovative and flexible tools, useful to scholars but at the same time able to satisfy needs of a wide audience. | |
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| A3C ALBANIA (ALBANIA: CONOSCERE, COMUNICARE, CONDIVIDERE) | 2007-2008 |
| <i>Funded by: INTERREG III-A FESR/CARDS</i> | |
| Design and development of an authoring environment for geographical information management and Web publishing, integrated with personalized services. | |
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| COL (CANTIERE ON LINE) | 2007 |
| <i>Funded by: Ministry of Productive Activities</i> | |
| Design and development of a prototype of a mobile application to support design, development and maintenance of construction sites with the collaboration of interdisciplinary communities of interests. | |

CONNIE (CONSTRUCTION NEWS AND INFORMATION ELECTRONICALLY)

2006

Funded by: EU ECONTENT

Development of methods and techniques for extraction, organization and indexing of the relevant information from existing publicly available European building regulations and standards into value-added task-specific information and practical know-how for construction professionals and delivering of the information as networked electronic cross-border services scalable in content across the EU.

WIL (WEB INDEXING LANGUAGE)

2005

Funded by: Ministry of Education, University and Research

Definition of a methodology for defining and describing documents and their content, and to index, load and retrieve them in a distributed environment.

 **TEACHING**

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| 2019-2020 | Informatics Techniques Università degli Studi di Brescia (Italy) - BSc in Sustainable agricultural systems and BSc in Building Techniques. 60 hours. |
| 2020 | Mobile Interaction Design Università degli Studi di Brescia (Italy) - PhD in Information Engineering. 15 hours. |
| 2018-2019 | Laboratory of Computer Programming Università degli Studi di Milano (Italy) - BSc in Computer Science for Digital Communication. 48 hours. |
| 2017-2018 | Laboratory of Computer Programming Università degli Studi di Milano (Italy) - BSc in Computer Science for Digital Communication. 48 hours. |
| 2016-2017 | Informatics Università degli Studi di Milano (Italy) - BSc in Science and Technology for Study and Preservation of Cultural Heritage and Medium. 48 hours. |
| 2015-2016 | Human-Computer Interaction (<i>Teaching Assistant</i>) Università degli Studi di Milano (Italy) - BSc in Computer Science for Digital Communication. 14 hours. |
| 2015-2016 | Informatics (<i>Teaching Assistant</i>) Università degli Studi di Milano (Italy) - BSc in Science and Technology for Study and Preservation of Cultural Heritage and Medium. 10 hours. |
| 2015-2016 | Multimedia Architectures (<i>Teaching Assistant</i>) Università degli Studi di Milano (Italy) - MSc in Computer Science. 36 hours. |
| 2014-2015 | Human-Computer Interaction (<i>Teaching Assistant</i>) Università degli Studi di Milano (Italy) - BSc in Computer Science for Digital Communication. 8 hours. |
| 2014-2015 | Informatics (<i>Teaching Assistant</i>) Università degli Studi di Milano (Italy) - BSc in Science and Technology for Study and Preservation of Cultural Heritage and Medium. 32 hours. |
| 2014-2015 | Multimedia Architectures (<i>Teaching Assistant</i>) Università degli Studi di Milano (Italy) - MSc in Computer Science. 24 hours. |
| 2013 | User-Centered Design University of West London - MSc Computing Interaction Design. 42 hours. |
| 2013 | Sociotechnical Research Methods in mHealth (<i>One lecture</i>) University of West London - MSc Computing Interaction Design. 3 hours. |

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| 2014 | Multimedia Architectures (<i>Teaching Assistant</i>) Università degli Studi di Milano (Italy) - MSc in Computer Science. 24 hours. |
| 2011-2012 | Databases Laboratory (<i>Teaching Assistant</i>) Università degli Studi di Milano (Italy) - MSc in Music Information. 48 hours. Science |
| 2011-2012 | Interaction Design (<i>One lecture</i>) Università degli Studi di Milano (Italy) - BSc in Computer Science for Digital Communication. 1 hour. |
| 2010-2011 | Databases Laboratory (<i>Teaching Assistant</i>) Università degli Studi di Milano (Italy) - MSc in Music Information. 48 hours. Science |
| 2010-2011 | Human-Computer Interaction (<i>Teaching Assistant</i>) Università degli Studi di Milano (Italy) - BSc in Computer Science for Digital Communication. 24 hours. |
| 2010-2011 | Fundamentals of Digital Communication (<i>Teaching Assistant</i>) Università degli Studi di Milano (Italy) - BSc in Computer Science for Digital Communication. 20 hours. |
| 2009-2010 | Fundamentals of Digital Communication (<i>Teaching Assistant</i>) Università degli Studi di Milano (Italy) - BSc in Computer Science for Digital Communication. 20 hours. |
| 2008-2009 | Informatics (<i>Teaching Assistant</i>) Università degli Studi di Milano (Italy) - B.Sc. in Health Assistance, Environment and Workplace Prevention Techniques, and Cardiocirculatory and Cardiovascular Perfusion Techniques. 48 hours. |
| 2008-2009 | Multimedia Writing Techniques (<i>Teaching Assistant</i>) Università Cattolica del Sacro Cuore (Italy) - B.Sc. in Linguistic Sciences. 12 hours. |

THESES ADVISOR

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| ALESSANDRO MATAFORA - BSc, Università degli Studi di Milano, Italy | 2019 |
| "A study on accessibility and pleasantness of Web interfaces" | |
| RAFFAELE COZZA - MSc, Università degli Studi di Milano, Italy | 2019 |
| "Video annotation for user tests on virtual reality applications" | |
| AMBRA DE BONIS - BSc, Università degli Studi di Milano, Italy | 2017 |
| "Validation of a framework for virtual reality applications classification" | |
| NATHALY BELEN BETANCOURT BARRIGA - BSc, Università degli Studi di Milano, Italy | 2017 |
| "Definition of a new method for virtual reality applications evaluation" | |

THESES CO-ADVISOR

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| ALICE PLUTINO - PhD, Università degli Studi di Milano, Italy | ON-GOING |
| "A study to overcome the limits of colorimetry in cultural heritage applications" | |
| MARCO PISCIOTTA - MSc, Università degli Studi di Milano, Italy | 2020 |
| "Design and development of a collaborative interactive system for communicability analysis" | |
| ELENA RAIMONDI - BSc, Università degli Studi di Milano, Italy | 2018 |
| "Accessibility in the public administration: design principles" | |
| GIOVANNI LOMBARDO - BSc, Università degli Studi di Milano, Italy | 2017 |
| "Design and development of a visual interactive system for quantified self and lifelogging" | |

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| ALESSIO BATTISTA RIVA - <i>BSc, Università degli Studi di Milano, Italy</i> "A usability study of ecomuseums Web applications" | 2016 |
| STEFANO QUINTERI - <i>BSc, Università degli Studi di Milano, Italy</i> "A tool for interfaces correction based on the human visual system" | 2016 |
| SAMUELE ANZANI - <i>BSc, Università degli Studi di Milano, Italy</i> "User experience in online participatory budgeting" | 2015 |
| ALBERTO FALESCHINI - <i>MSc, Università degli Studi di Milano, Italy</i> "Ecosystem of tools, services and methodologies for archaeology" | 2015 |
| MARCO PAGLIOTTA - <i>BSc, Università degli Studi di Milano, Italy</i> "Visual interactive systems for the collaborative decipherment of non-verbal languages" | 2014 |
| YANET DEVIS - <i>MSc, University of West London, United Kingdom</i> "Mobile Health Interface Design and Development for a Rural Environment (MANTRA Project)" | 2013 |
| MICHELE AMENDOLAGINE - <i>MSc, Università degli Studi di Milano, Italy</i> "Design and development of a geographic information system for supporting protection and enhancement of archaeological excavations" | 2011 |
| SIMONE TUVERI - <i>BSc, Università degli Studi di Milano, Italy</i> "Definition of digital annotation and development of a visual interactive system for its management" | 2011 |
| PAOLO LUIGI SCALA - <i>MSc, Università degli Studi di Milano, Italy</i> "Design and development of a task management system prototype for multimodal information management" | 2010 |
| CLAUDIO FRANCESCO SCIARRABBA - <i>BSc, Università degli Studi di Milano, Italy</i> "Internationalization of MIS for graphics industry: the Heidelberg Prinect Business Manager case study" | 2010 |
| ALEX CORLATTI - <i>BSc, Università degli Studi di Milano, Italy</i> "Visual tagging: expressing emotions, evaluating and classifying" | 2010 |
| ROBERTO D'AMATO - <i>MSc, Università degli Studi di Milano, Italy</i> "End-user development methods analysis: the refactoring of BANCO architecture" | 2009 |
| BLENDAR GJOCAJ - <i>MSc, Università degli Studi di Milano, Italy</i> "Management and use of distributed knowledge in territory management" | 2009 |
| ADAM ROGNONI - <i>BSc, Università degli Studi di Milano, Italy</i> "Design of a vocal annotation language and development of an interpreter" | 2009 |
| ROSSANA CORNACCHIA - <i>BSc, Università degli Studi di Milano, Italy</i> "Annotation management policies in a distributed knowledge-based system" | 2009 |
| ROSSELLA NOTA - <i>BSc, Università degli Studi di Milano, Italy</i> "Information architecture in cultural heritage domain: the MUVIS museum case study" | 2009 |
| CLAUDIO ARCORIA - <i>BSc, Università degli Studi di Milano, Italy</i> "Configuration of BANCO framework for mobile devices" | 2009 |
| SERENA LEGGIERI - <i>BSc, Università degli Studi di Milano, Italy</i> "Development of localization features for Web-based interactive systems" | 2008 |
| MATTEO LAMPUGNANI - <i>BSc, Università Cattolica del Sacro Cuore, Italy</i> "FOAF (Friend-of-a-Friend) for social networks: a students' profile management system" | 2008 |

ORGANIZING ACTIVITY: CHAIR

- 2021 |
 - ▶ General Co-Chair HWID 2021 (Beijing, 15-16/05/2021)
 - ▶ Poster + Demo Co-Chair INTERACT 2021 (Bari, 30/08/2021 – 03/09/2021)
 - ▶ Workshop Co-Chair CHIItaly 2021 (Bolzano, 10-12/02/2021)
- 2019 |
 - ▶ Demo Co-chair – IS-EUD 2019 (Hertfordshire, 10-12/07/2019)
- 2018 |
 - ▶ Program Chair - HWID 2018 (Espoo, 20-21/08/2018)
- 2017 |
 - ▶ Demo Chair - IS-EUD 2017 (Eindhoven, 13-15/06/2017)
- 2016 |
 - ▶ Poster + Demo Co-chair - AVI 2016 (Bari, 7-10/06/2016)
 - ▶ Workshop Co-chair - British HCI 2016 (Bournemouth, 11-15/07/2016)
- 2015 |
 - ▶ HWID 2015 (London, 25-26/06/2015)
- 2013 |
 - ▶ Workshop Co-Chair - IS-EUD 2013 (Copenhagen, 11-13/06/2013)

ORGANIZING ACTIVITY: PROGRAM COMMITTEE MEMBER

- 2020 |
 - ▶ AVI 2020 (Ischia, 28/09-02/10/2020)
 - ▶ EUDIOT 2020 (Suspended due to COVID-19)
- 2019 |
 - ▶ IS-EUD 2019 (Hertfordshire, 10-12/07/2019)
 - ▶ CHIItaly 2019 (Padova, 23-25/09/2019)
- 2018 |
 - ▶ AVI 2018 (Castiglione della Pescaia, 29/05/2018 – 01/06/2018)
 - ▶ Workshop GHItaly 2018 (Castiglione della Pescaia, 29/05/2018)
- 2017 |
 - ▶ IS-EUD 2017 (Eindhoven, 13-15/06/2017)
 - ▶ CHIItaly 2017 (Cagliari, 19-20/09/2017)
 - ▶ Workshop GHItaly 2017 (Cagliari, 18/09/2017)
- 2015 |
 - ▶ IS-EUD 2015 (Madrid, 26-29/05/2015)
 - ▶ CHIItaly 2015 (Roma, 28-30/09/2015)
- 2014 |
 - ▶ AVI 2014 (Como, 27-30/05/2014)
- 2013 |
 - ▶ IS-EUD 2013 (Copenhagen, 11-13/06/2013)
 - ▶ IMMM 2013 (Lisbon, 17-22/11/2013)
- 2012 |
 - ▶ IMMM 2012 (Venezia, 21-26/10/2012)
- 2011 |
 - ▶ IMMM 2011 (Barcellona, 23-28/10/2011)
 - ▶ DESIRE'11 (Eindhoven, 19-21/10/2011)
- 2009 |
 - ▶ First International DESIRE Summer School on Theories of Creative Design for Innovation in Science and Technology (Gargnano del Garda, 20-26/09/2009)

ORGANIZING ACTIVITY: ORGANIZER OF WORKSHOPS AND OTHER EVENTS

- 2018 |
 - ▶ Workshop CoPDA 2018 Cultures of Participation in the Digital Age. Design Trade-offs for an Inclusive Society (Castiglione della Pescaia, 29/05/2018)
- 2017 |
 - ▶ Workshop Embracing Diversity with Help of Technology and Participatory Design (Troyes, 27/06/2017)
 - ▶ Workshop Human Work Interaction Design meets International Development (Mumbai, 25-26/09/2017)

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| 2016 | <ul style="list-style-type: none"> ▶ Workshop Mobile Healthcare for the Self-Management of Chronic Diseases and the Empowerment of Patients (Firenze, 6/09/2016) ▶ Workshop CoPDA 2016 Cultures of Participation in the Digital Age. From "Have to" to "Want to" Participate (Gothenburg, 24/10/2016) |
| 2015 | <ul style="list-style-type: none"> ▶ Workshop Human Work Interaction Design (HWID): Design for Challenging Work Environments (Bamberg, 14/09/2015) ▶ Workshop CoPDA 2015 Cultures of Participation in the Digital Age. Coping with Information, Participation, and Collaboration Overload (Madrid, 25/05/2015) ▶ Etruscans @ EXPO - La Statale per EXPO (Milano, 01/05/2015-31/10/2015) |
| 2014 | <ul style="list-style-type: none"> ▶ Workshop CoPDA 2014 Cultures of Participation in the Digital Age. Social Computing for Working, Learning and Living (Como, 27-30/05/2014) |
| 2012 | <ul style="list-style-type: none"> ▶ Workshop CDCH 2012 (Innsbruck, 30/09/2012) |
| 2011 | <ul style="list-style-type: none"> ▶ Workshop Creativity and complexity in interdisciplinary design teams (Tarquinia, 11-12/07/2011) |
| 2010 | <ul style="list-style-type: none"> ▶ Workshop EUD4Services (Roma, 25/05/2010) |

EDITORIAL ACTIVITY

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| Editor | <ul style="list-style-type: none"> ▶ Associate Editor - International Journal of Sociotechnology and Knowledge Development (IJSKD). ▶ Editorial Advisory Board - "Information and Communication Overload in the Digital Age", IGI Global, 2016. |
| Guest editor | <ul style="list-style-type: none"> ▶ Human Work Interaction Design. Designing Engaging Automation. 5th IFIP WG 13.6 Working Conference, HWID 2018, Espoo, Finland, August 20 - 21, 2018, Revised Selected Papers. Series: IFIP Advances in Information and Communication Technology, Vol. 544. ISBN: 978-3-030-05296-6 ▶ IxD&A, Focus Section on Human-Work Interaction Design Meets International Development (Vol. 37, 2018) ▶ International Journal of Sociotechnology and Knowledge Development (IJSKD), Special Issue on Embracing Diversity with Help of Technology and Participatory Design (Vol. 9, No. 4, 2017) ▶ Human Work Interaction Design. Work Analysis and Interaction Design Methods for Pervasive and Smart Workplaces 4th IFIP 13.6 Working Conference, HWID 2015, London, UK, June 25-26, 2015, Revised Selected Papers. Series: IFIP Advances in Information and Communication Technology, Vol. 468. ISBN: 978-3-319-27048-7 ▶ International Journal of Sociotechnology and Knowledge Development (IJSKD), Special Issue on Sociotechnology and Pervasive Health (Vol. 6, No. 1 e 2, 2014) ▶ Proceedings of CoPDA2014, the Second International Workshop on Cultures of Participation in the Digital Age: Social computing for Working, Learning, and Living, CEUR-WS Vol. 1640. ▶ Proceedings of CoPDA2015, the Third edition of the International Workshop on Cultures of Participation in the Digital Age: Coping with Information, Participation, and Collaboration Overload, CEUR-WS Vol. 1641. ▶ Proceedings of CoPDA2017, the Fourth edition of the International Workshop on Cultures of Participation in the Digital Age: From "Have to" to "Want to" Participate, CEUR-WS Vol. 1776. ▶ Proceedings of CoPDA2018, the Fifth International Workshop on Cultures of Participation in the Digital Age: Design Trade-offs for an Inclusive Society, CEUR-WS Vol. 2101. |
| Reviewer | <ul style="list-style-type: none"> ▶ Journals: Multimedia Tools and Applications (Springer), Behaviour & Information Technology (Taylor & Francis), Journal of Ambient Intelligence and Humanized Computing (Springer), IEEE Access (IEEE), Universal Access in the Information Society (Springer), Journal of Visual Languages and Computing (Elsevier), Interaction Design and Architecture(s) (Università degli Studi Roma Tor Vergata) ▶ Projects: Uni-Impresa 2019 Università degli Studi di Padova (Italy) ▶ Conferences: IS-EUD 2009, MONET 2009, AVI 2010, ItAIS 2010, VLC 2010, INTERACT 2011, IMMM 2011, DESIRE, CHI 2012, IUI 2012, IMMM 2012, CSCW 2013, CHI 2013, IUI 2013, EICS 2013, INTERACT 2013, IMMM 2013, CHI 2014, EICS 2014, AVI 2014, CHI 2015, IS-EUD 2015, INTERACT 2015, CSCW 2016, ECIS 2016, DIS 2016, ECIS 2017, INTERACT 2017, IS-EUD 2017, DIS 2017, ECIS 2018, AVI 2018, GHI 2018, DIS 2019, INTERACT 2019, IDC 2019, CHITALY 2019, IS-EUD 2019, UX@WORKS 2019, GHItaly 2019, AVI 2020, NordiCHI 2020, ECIS 2020. |

- 11/07/2019** | IS-EUD 2019: Barricelli, B.R., Casiraghi, E., Valtolina, S. (2019). Virtual Assistants for End-User Development in the Internet of Things. Proc. IS-EUD 2019 (pp. 209-216). LNCS 11553, Springer. DOI: https://doi.org/10.1007/978-3-030-24781-2_17.
- 18/09/2017** | Workshop “HCI and education in a changing world: from school to public engagement”. CHIItaly 2017: Valtolina, S., Barricelli, B.R., Rizzi, A., Diani, M., Medugno, M. (2017). Participatory Design and ICT for Fostering ADHD Students’ Inclusion. Workshop HCI and Education in a Changing World: from School to Public Engagement. CHIItaly 2017, Cagliari (Italy), September 18, 2017.
- 14/09/2015** | Workshop “Human Work Interaction Design (HWID): Design for Challenging Work Environments”, INTERACT 2015: Barricelli, B.R., Valtolina, S. (2015). Interaction Design for Stratigraphic Analysis in Archaeology. Proc. INTERACT 2015 “INTERACT 2015 Adjunct Proceedings: 15th IFIP TC13. International Conference on Human-Computer Interaction” (pp. 129-136). University of Bamberg Press, ISBN: 978-3-86309-352-5.
- 25/06/2015** | “IFIP TC13 WG6 Working Conference (HWID 2015)”: Valtolina, S., Barricelli, B.R., Gadia, D., Marzullo, M., Piazza, C., Garzulino, A. (2015). Co-Design of a Cloud of Services for Archaeological Practice. Pre-Conference Proc. IFIP TC13 WG6 Working Conference HWID 2015.
- 26/05/2015** | Workshop “Cultures of Participation in the Digital Age (CoPDA 2015)”, IS-EUD 2015: Barricelli, B.R., Valtolina, S. (2016). A Semiotic Approach to EUD for the Internet of Things. Proceedings of the Third edition of the International Workshop on Cultures of Participation in the Digital Age: Coping with Information, Participation, and Collaboration Overload (CoPDA 2015). CEUR-WS, Vol. 1641 (pp. 45-51). ISSN: 1613-0073.
- 27/05/2014** | Workshop “Cultures of Participation in the Digital Age (CoPDA 2014)”, AVI2014: Valtolina, S., Mesiti, M., Barricelli, B.R. (2014). User-Centered Recommendation Services in Internet of Things Era. Workshop Cultures of Participation in the Digital Age (CoPDA 2014). AVI 2014, Como (Italy), May 27, 2014.
- 07/05/2013** | “PervasiveHealth 2013”: Barricelli, B.R., Devis, Y., Abdelnour-Nocera, J., Wilson, J., Moore, J. (2013). MANTRA: Mobile Anticoagulant Therapy Management. Proc. PervasiveHealth 2013, pp. 278-281, IEEE, DOI: <https://doi.org/10.4108/icst.pervasivehealth.2013.252096>.
- 06/06/2013** | Workshop “Cultures of Participation in the Digital Age (CoPDA 2013)”, IS-EUD 2013: Valtolina, S., Barricelli, B.R., Sciarabba, M. (2013). Digital Cultural Heritage and Living Labs. Workshop Cultures of Participation in the Digital Age (CoPDA). IS-EUD 2013, Copenhagen (Denmark), June 6th, 2013.
- 14/11/2012** | Seminario “Leverhulme Trust Visiting Fellowship: MANTRA Project”. University of West London. London, United Kingdom.
- 05/06/2012** | “ICTP Scientific m-Learning”: Varesano, A., Barricelli, B.R., Valtolina, S. (2012). Atmosphere Design for Mobile Interaction. Mobile Science & Learning (pp. 65-70). ICTP, Trieste, Italy. ISBN: 92-95003-47-0.
- 09/06/2012** | “AVI 2012”: Barricelli, B.R., Valtolina, S., Marzullo, M. (2012). ArchMatrix: A Visual Interactive System for Graph-based Knowledge Exploration in Archaeology. Proc. AVI '12 (pp. 681-684), ACM Press. DOI: <http://doi.org/10.1145/2254556.2254684>.
- 06/05/2012** | Workshop “Heritage Matters”, CHI 2012: Valtolina, S., Barricelli, B.R., De Angeli, A., Battocchi, A. (2012). Archaeology and Technology: Towards Collaborative Decipherment of Non-Verbal Markings. Workshop Heritage Matters. CHI 2012, Austin (US), May 6th, 2012.
- 18/04/2012** | “Polish IA Summit 2012”: Barricelli, B.R., Valtolina, S., Varesano, A. (2012). Atmosphere Design and Evaluation in Creative Collaborative Projects. Polish IA Summit 2012. Warsaw (Poland), April 18-20, 2012.
- 26/03/2012** | “CAA 2012”: Barricelli, B.R., Valtolina, S., Gobbi, A. (2014). Towards Collaborative Decipherment of Non-Verbal Markings. Prof. CAA 2012: Archaeology in the Digital Era - Volume II (pp. 15-20). Amsterdam University Press. ISBN: 9789089646637.
- 01/02/2012** | Seminario “Infrastruttura Tecnologica alla Base del Portale Culturale della Valchiavenna”. Stazione Valchiavenna, Università degli Studi di Milano.

- 04/10/2011** | “WikiSym 2011”: Zhu, J., Vaghi, I., Barricelli, B.R. (2011). A Meta-Reflective Wiki for Collaborative Design. Proc. WikiSym '11 (pp. 53-62), ACM Press. DOI: <https://doi.org/10.1145/2038558.2038569>.
- 07/06/2011** | Workshop “EUD4Services 2011”, IS-EUD 2011: Ariano, F., Barricelli, B.R., Padula, M., Scala, P.L., Valtolina, S. (2011). EUD for Semantic Orchestration of Web services in Workflow Management Systems. Second EUD4Services Workshop. IS-EUD 2011, Torre Canne (Italy), June 7th, 2011.
- 09/06/2011** | “IS-EUD 2011”: Zhu, L., Vaghi, I., Barricelli, B.R. (2011). MikiWiki: A Meta Wiki Architecture and Prototype Based on the Hive-Mind Space Model. Proc. IS-EUD 2011 (pp. 343-348). LNCS 6654, Springer. DOI: http://doi.org/10.1007/978-3-642-21530-8_37.
- 07/05/2011** | Workshop “Feminism and Interaction Design”, CHI 2011: Barricelli, B.R. (2011). Software Localization to Gender and Culture: Fostering Female Participation and Creativity in the Web. Feminism and Interaction Design Workshop. CHI 2011, Vancouver (Canada), May 7-12, 2011.
- 09/07/2010** | “IWIPS 2010”: Barricelli, B.R., Iacob, C., Zhu, L. (2010). BANCO Web Architecture to Support Global Collaborative Interaction Design. Proc. IWIPS 2010 (pp. 159-162), P&S. ISBN: 9780972218483.
- 25/10/2010** | Workshop “EUD4Services 2010”, AVI 2010: Barricelli, B.R., Mussio, P., Padula, M., Piccinno, A., Scala, P.L., Valtolina, S. (2010). Visual Workflow Composition through Semantic Orchestration of Web Services. Proc. AVI 2010 (pp. 405). ACM Press. DOI: <https://doi.org/10.1145/1842993.1843079>.
- 15/09/2009** | Workshop “Community Practices and Locative Media”, MobileHCI 2009: Barricelli, B.R., Iacob, C., Zhu, L. (2009). Map-Based Wikis as Contextual and Cultural Mediators. Workshop Community Practices and Locative Media. MobileHCI09, Bonn (Germany), September 15-18, 2009.
- 02/02/2009** | Seminario “Erasmus LLP Visiting PhD Student: Research Topics and PhD Project”. University of Siegen, Siegen, Germany.
- 02/09/2008** | Workshop “MIMIC 2008”, DEXA 2008: Barricelli, B.R., Marcante, A., Mussio, P., Parasiliti Provenza, L., Padula, M., Scala, P.L. (2008). A Design Methodology for Multimodal Interactive Systems: A Pragmatical Approach. Proc. DEXA Workshops 2008 (pp. 142-149), IEEE Computer Society. DOI: <https://doi.org/10.1109/DEXA.2008.62>.
- 30/06/2008** | “Tutela architettonica, paesaggistica e ambientale: politica territoriale per un turismo sostenibile. Il progetto SITRuS”: Barricelli, B.R., Padula, M. (2008). Un Sistema Collaborativo per l’Authoring di Informazioni Turistiche ed Ambientali e per la loro Pubblicazione in Rete. Conferenza Tutela architettonica, paesaggistica e ambientale: politica territoriale per un turismo sostenibile. Il progetto SITRuS. Bari (Italy), June 30th, 2008.
- 11/06/2008** | “ICIW 2008”: Barricelli, B.R., Maiellaro, N., Padula, M., Scala, P.L. (2008). A Collaborative System for Environment and Tourism Information Authoring and Web Publishing: An Institutional Case Study. Proc. ICIW 2008 (pp. 279-282), IEEE Computer Society. ISBN: 978-0-7695-3163-2.

GRANTS AND AWARDS

- 2013** | Leverhulme Trust Visiting Fellowship, 12 months at the University of West London, London, United Kingdom.
- 2010** | Best paper award: Zhu, L., Iacob, C., Barricelli, B.R. (2010). New Design Strategies: Using the Hive Mind Space Model to Enhance Collaboration. Proc. IADIS International Conference Collaborative Technologies 2010 (pp. 12-19), IADIS Press. ISBN: 978-972-8939-21-2.
- 2010** | Best paper award: Barricelli, B.R., Mussio, P., Padula, M., Piccinno, A., Scala, P.L., Valtolina, S. (2010). Interactive Task Management System Development Based on Semantic Orchestration of Web Services. Proc. itAIS 2010. ISBN: 978-88-6105-124-9.
- 2009** | Erasmus LLP Grant, 5 months at the University of Siegen, Siegen, Germany.
- 2007-2010** | PhD Grant (Italian Ministry of Education and Research) for the PhD in Computer Science at Università degli Studi di Milano.

AFFILIATIONS

| | |
|--|------------|
| Chair of IFIP TC13(HCI)-Working Group 13.6 on Human-Work Interaction Design (HWID). | 2015-TODAY |
| Professional member of ACM and voting member of ACM SIGCHI Italy. | 2011-TODAY |
| Professional member of AICA. | 2015-TODAY |
| Member of GII (Gruppo di Ingegneria Informatica) | 2019-TODAY |
| Member of the Sociotechnical Centre for Innovation and User Experience at University of West London. | 2013-TODAY |
| Secretary Officer of IFIP TC13-WG6 HWID. | 2014-2016 |
| Community Development Co-Chair of EUSSET. | 2017-2018 |
| Member of GRIN (Gruppo di Informatica) | 2013-2019 |

INSTITUTIONAL ASSIGNMENTS

| | |
|-----------|---|
| 2020-2021 | Member of the PhD Faculty of the PhD in Information Engineering of Università degli Studi di Brescia, Italy |
| 2017-2019 | Member of the PhD Faculty of the PhD in Computer Science of Università degli Studi di Milano, Italy |
| 2016-2019 | Member of the Web Commission, Department of Computer Science, Università degli Studi di Milano, Italy |
| 2011-2012 | PostDocs Representative of the Department of Computer Science, Università degli Studi di Milano, Italy |

OTHER PROFESSIONAL EXPERIENCES

| | |
|------|---|
| 2012 | Design and development of a framework for medical courses evaluation. |
| 2013 | A&S s.r.l., Italy |
| 2002 | Occasional Web developer |
| 2015 | Various customers |
| 2002 | Design and development of an e-learning platform for university courses. |
| 2003 | Department of Computer Science, Università degli Studi di Milano, Italy |
| 1999 | Analyst programmer on IBM AS400 |
| | Birra Forst S.p.A., Italy |
| 1998 | Web content manager |
| 2005 | According s.r.l., Italy |
| 1998 | Analyst programmer on IBM AS400 |
| | Birra Forst S.p.A., Italy |

PUBLICATIONS

International Journals

- [26] Barricelli, B. R., Casiraghi, E., Dattolo, A., and Rizzi, A. 15 Years of Stanca Act: Are Italian Public universities websites accessible? *Universal Access in the Information Society* (2020). ISSN: 16155297. DOI: [10.1007/s10209-020-00711-0](https://doi.org/10.1007/s10209-020-00711-0).
- [25] Barricelli, B. R., Casiraghi, E., Gliozzo, J., Petrini, A., and Valtolina, S. Human Digital Twin for Fitness Management. *IEEE Access* 8 (2020), pp. 26637–26664. ISSN: 21693536. DOI: [10.1109/ACCESS.2020.2971576](https://doi.org/10.1109/ACCESS.2020.2971576).
- [24] Barricelli, B. R., Casiraghi, E., Lecca, M., Plutino, A., and Rizzi, A. A cockpit of multiple measures for assessing film restoration quality. *Pattern Recognition Letters* 131 (2020), pp. 178–184. ISSN: 01678655. DOI: [10.1016/j.patrec.2020.01.009](https://doi.org/10.1016/j.patrec.2020.01.009).

- [23] Valtolina, S., Barricelli, B. R., and Di Gaetano, S. Communicability of traditional interfaces VS chatbots in healthcare and smart home domains. *Behaviour and Information Technology* 39 (1) (2020), pp. 108–132. ISSN: 13623001. DOI: **10.1080/0144929X.2019.1637025**.
- [22] Barricelli, B. R., Abdelnour-Nocera, J., Wilson, J., and Eason, K. Sociotechnical design for mobile anticoagulant therapy. *Health and Technology* 9 (5) (2019), pp. 857–876. ISSN: 21907196. DOI: **10.1007/s12553-019-00358-9**.
- [21] Barricelli, B. R., Casiraghi, E., and Fogli, D. A survey on digital twin: Definitions, characteristics, applications, and design implications. *IEEE Access* 7 (2019). ISSN: 21693536. DOI: **10.1109/ACCESS.2019.2953499**.
- [20] Barricelli, B. R., Casiraghi, E., Gliozzo, J., Huber, V., Leone, B. E., Rizzi, A., and Vergani, B. Ki67 nuclei detection and ki67-index estimation: A novel automatic approach based on human vision modeling. *BMC Bioinformatics* 20 (1) (2019). ISSN: 14712105. DOI: **10.1186/s12859-019-3285-4**.
- [19] Barricelli, B. R., Cassano, F., Fogli, D., and Piccinno, A. End-user development, end-user programming and end-user software engineering: A systematic mapping study. *Journal of Systems and Software* 149 (2019), pp. 101–137. ISSN: 01641212. DOI: **10.1016/j.jss.2018.11.041**.
- [18] Barricelli, B. R., Sciarelli, P., Valtolina, S., and Rizzi, A. Web accessibility legislation in Italy: a survey 10 years after the Stanca Act. *Universal Access in the Information Society* 17 (1) (2018), pp. 211–222. ISSN: 16155297. DOI: **10.1007/s10209-017-0526-z**.
- [17] Rizzi, A., Barricelli, B. R., Bonanomi, C., Albani, L., and Gianini, G. Visual glare limits of HDR displays in medical imaging. *IET Computer Vision* 12 (7) (2018), pp. 976–988. ISSN: 17519640. DOI: **10.1049/iet-cvi.2018.5252**.
- [16] Valtolina, S., Barricelli, B. R., Rizzi, A., Menghini, S., and Ciriaci, A. Emergency medical IT services for migrants rescue operations. *Interaction Design and Architecture(s)* 37 (2018), pp. 143–158. ISSN: 22832998.
- [15] Barricelli, B. R. and Valtolina, S. A visual language and interactive system for end-user development of internet of things ecosystems. *Journal of Visual Languages and Computing* 40 (2017), pp. 1–19. ISSN: 1045926X. DOI: **10.1016/j.jvlc.2017.01.004**.
- [14] Rizzi, A., Fogli, D., and Barricelli, B. R. A new approach to perceptual assessment of human-computer interfaces. *Multimedia Tools and Applications* 76 (5) (2017), pp. 7381–7399. ISSN: 15737721. DOI: **10.1007/s11042-016-3400-8**.
- [13] Barricelli, B. R., Gadia, D., Rizzi, A., and Marini, D. Semiotics of virtual reality as a communication process. *Behaviour and Information Technology* 35 (11) (2016), pp. 879–896. ISSN: 13623001. DOI: **10.1080/0144929X.2016.1212092**.
- [12] Magni, C., Maggioni, F., Ricci, A., Barisone, E., Jankovic, M., Postiglione, E. S., Cargnel, E., Barricelli, B. R., Valtolina, S., Veneroni, L., Chiaravalli, S., Lapidari, P., Capelletti, M., Clerici, C. A., Biondi, A., and Ferrari, A. There’s no reason why”: A campaign to raise cancer awareness among adolescents. *Tumori* 102 (3) (2016), pp. 270–275. ISSN: 20382529. DOI: **10.5301/tj.5000493**.
- [11] Barricelli, B. R. and Devis, Y. MHealth in resource-constrained environments. *International Journal of Sociotechnology and Knowledge Development* 6 (1) (2014), pp. 18–35. ISSN: 19416261. DOI: **10.4018/ijskd.2014010102**.
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- [9] Valtolina, S., Barricelli, B. R., Ariano, F., Padula, M., and Scala, P. L. Knowledge management for designing business workflows through semantic compositions of web services. *International Journal of Knowledge and Learning* 8 (1-2) (2012), pp. 62–85. ISSN: 17411009. DOI: **10.1504/IJKL.2012.047547**.
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- [4] Barricelli, B. R., Rekowsky, T. von, Sprenger, M.-A., and Weibert, A. Supporting Collaborative Project Work in Intercultural Computer Clubs. *Journal of e-Education, e-Business, e-Management and e-Learning* 1 (1) (2011), pp. 35–44.
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- [2] Iacob, C., Mussio, P., Zhu, L., and Barricelli, B. R. Towards a pattern language for the design of collaborative interactive systems. *Electronic Communications of the EASST* 31 (2010). ISSN: 18632122 (ISSN). DOI: **10.14279/tuj.eceasst.31.574.607**.
- [1] Barricelli, B. R., Marcante, A., Mussio, P., Parasiliti Provenza, L., Valtolina, S., and Fresta, G. BANCO: A Web Architecture Supporting Unwitting End-User Development. *Interaction Design and Architecture(s)* 5-6 (2009), pp. 23–30.

National Journals

- [4] Barricelli, B. R., Mussio, P., and Valtolina, S. Progetto DESIRE: Design Creativo per l’Innovazione nella Scienza e nella Tecnologia. *SISTEMA UNIVERSITÀ* 7 (22) (2010), pp. 4–5.
- [3] Barricelli, B. R., Maiellaro, N., Padula, M., and Scala, P. L. Dal GIS al WebGIS in Ambiente Open Source. *L’EDILIZIA* gennaio (2009), pp. 94–97.

- [2] Aliprandi, B., Barricelli, B. R., Padula, M., Re, A., Scala, P. L., and Sensolo, S. Applicazioni Informatiche per l'Innovazione di Processi/Prodotti della Costruzione. *L'EDILIZIA* gennaio (2008), pp. 48–53.
- [1] Aliprandi, B., Artese, M. T., Barricelli, B. R., Gagliardi, I., Padula, M., Pagliarulo, P., Scala, P. L., Sensolo, S., and Zuffi, S. Applicazioni Informatiche a Supporto dell'Innovazione di Processi/Prodotti della Costruzione. *L'EDILIZIA* gennaio (2007), pp. 46–50.

Book Chapters

- [11] Barricelli, B. R., Rizzi, A., Valtolina, S., and Manfredini, C. ESISTE: Supporting inclusion of students with special needs in mainstream classrooms. In: *IFIP Advances in Information and Communication Technology*. Vol. 544. Springer New York LLC, 2019, pp. 113–122. ISBN: 9783030052966. DOI: **10.1007/978-3-030-05297-3_8**.
- [10] Rizzi, A., Barricelli, B. R., Bonanomi, C., Plutino, A., and Lanaro, M. Spatial models of color for digital color restoration. In: *Conservation, Restoration, and Analysis of Architectural and Archaeological Heritage*. IGI Global, 2019, pp. 386–404.
- [9] Valtolina, S. and Barricelli, B. R. An end-user development framework to support quantified self in sport teams. In: *New Perspectives in End-User Development*. Springer International Publishing, 2017, pp. 413–432. ISBN: 9783319602912. DOI: **10.1007/978-3-319-60291-2_16**.
- [8] Barricelli, B. R. and Devis, Y. mHealth in resource-constrained environments. In: *E-Health and Telemedicine: Concepts, Methodologies, Tools, and Applications*. Vol. 2. IGI Global, 2015, pp. 619–636. ISBN: 9781466687578. DOI: **10.4018/978-1-4666-8756-1.ch031**.
- [7] Barricelli, B. R., Valtolina, S., Gadia, D., Marzullo, M., Piazzi, C., and Garzulino, A. Participatory action design research in archaeological context. In: *IFIP Advances in Information and Communication Technology*. Vol. 468. Springer New York LLC, 2015, pp. 192–211. ISBN: 9783319270470. DOI: **10.1007/978-3-319-27048-7_14**.
- [6] Zhu, L., Barricelli, B. R., and Iacob, C. A Meta-Design Model for Creative Distributed Collaborative Design. In: *Development of Distributed Systems from Design to Application and Maintenance*. IGI Global, 2012, pp. 252–268.
- [5] Barricelli, B. R., Mussio, P., Padula, M., Piccinno, A., Scala, P. L., and Valtolina, S. Interactive task management system development based on semantic orchestration of web services. In: *Information Technology and Innovation Trends in Organizations - ItAIS: The Italian Association for Information Systems*. Physica-Verlag, 2011, pp. 237–244. ISBN: 9783790826319. DOI: **10.1007/978-3-7908-2632-6_27**.
- [4] Mesiti, M., Ribaudo, M., Valtolina, S., Barricelli, B. R., Boccacci, P., and Dini, S. Collaborative Environments: Accessibility and Usability for Users with Special Needs. In: *Community-Built Databases*. Springer, 2011, pp. 319–340.
- [3] Barricelli, B. R., Marcante, A., Mussio, P., Parasiliti Provenza, L., Padula, M., and Scala, P. L. Designing Pervasive and Multimodal Interactive Systems: An Approach Built on the Field. In: *Ubiquitous and Pervasive Computing: Concepts, Methodologies, Tools, and Applications*. IGI Global, 2010, pp. 212–233.
- [2] Barricelli, B. R., Mussio, P., Padula, M., Marcante, A., Parasiliti Provenza, L., and Scala, P. L. Designing pervasive and multimodal interactive systems: An approach built on the field. In: *Multimodal Human Computer Interaction and Pervasive Services*. IGI Global, 2009, pp. 243–264. ISBN: 9781605663869 (ISBN). DOI: **10.4018/978-1-60566-386-9.ch013**.
- [1] Barricelli, B. R., Maiellaro, N., Padula, M., and Scala, P. L. Realizzazione di un Framework Collaborativo per l'Authoring di Informazioni Turistiche ed Ambientali e per la loro Pubblicazione in Rete. In: *Albania: conoscere, comunicare, condividere*. 2008, pp. 223–230.

Conferences with Proceedings

- [56] Barricelli, B. R., Casiraghi, E., and Valtolina, S. Virtual Assistants for End-User Development in the Internet of Things. In: *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. Vol. 11553 LNCS. Springer Verlag, 2019, pp. 209–216. ISBN: 9783030247805. DOI: **10.1007/978-3-030-24781-2_17**.
- [55] Bhutkar, G., Roto, V., Clemmensen, T., Barricelli, B. R., Abdelnour-Nocera, J., Meschtscherjakov, A., Lopes, A. G., Campos, P., and Gonçalves, F. User Experiences and Wellbeing at Work. In: *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. Vol. 11749 LNCS. Springer Verlag, 2019, pp. 754–758. ISBN: 9783030293895. DOI: **10.1007/978-3-030-29390-1_75**.
- [54] Valtolina, S., Hachem, F., Barricelli, B. R., Belay, E. G., Bonfitto, S., and Mesiti, M. Facilitating the Development of IoT Applications in Smart City Platforms. In: *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. Vol. 11553 LNCS. Springer Verlag, 2019, pp. 83–99. ISBN: 9783030247805. DOI: **10.1007/978-3-030-24781-2_6**.
- [53] Barricelli, B. R., De Bonis, A., Di Gaetano, S., and Valtolina, S. Semiotic framework for virtual reality usability and ux evaluation: A pilot study. In: *CEUR Workshop Proceedings*. Vol. 2246. CEUR-WS, 2018. ISBN: 16130073 (ISSN).
- [52] Barricelli, B. R., Fischer, G., Fogli, D., Mørch, A., Piccinno, A., and Valtolina, S. Cultures of participation in the digital age: Design trade-offs for an inclusive society. In: *Proceedings of the Workshop on Advanced Visual Interfaces AVI*. Association for Computing Machinery, 2018. ISBN: 9781450356169. DOI: **10.1145/3206505.3206599**.
- [51] Lopes, A., Campos, P., and Barricelli, B. R. Human work interaction design: Beyond human factors. In: *Advances in Intelligent Systems and Computing*. Vol. 588. Springer Verlag, 2018, pp. 127–133. ISBN: 9783319605814. DOI: **10.1007/978-3-319-60582-1_13**.

- [50] Valtolina, S., Barricelli, B. R., Di Gaetano, S., and Diliberto, P. Chatbots and conversational interfaces: Three domains of use. In: *CEUR Workshop Proceedings*. Vol. 2101. CEUR-WS, 2018, pp. 62–70. ISBN: 16130073 (ISSN).
- [49] Valtolina, S., Barricelli, B. R., Rizzi, A., Menghini, S., and Ciriaci, A. Socio-technical design of an app for migrants rescue operations. In: *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. Vol. 10774 LNCS. Springer Verlag, 2018, pp. 140–147. ISBN: 9783319920801. doi: **10.1007/978-3-319-92081-8_14**.
- [48] Barricelli, B. R. and De Bonis, A. Semiotic virtual reality framework validation. In: *CEUR Workshop Proceedings*. Vol. 1910. CEUR-WS, 2017, pp. 102–105. ISBN: 16130073 (ISSN).
- [47] Barricelli, B. R. and Di Loreto, I. Embracing diversity with help of technology and participatory design. In: *ACM International Conference Proceeding Series*. Vol. Part F1285. Association for Computing Machinery, 2017, pp. 319–320. ISBN: 9781450348546. doi: **10.1145/3083671.3083710**.
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- [45] Campos, P., Clemmensen, T., Barricelli, B. R., Abdelnour-Nocera, J., Lopes, A., and Gonçalves, F. Human work interaction design meets international development. In: *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. Vol. 10516 LNCS. Springer Verlag, 2017, pp. 531–532. ISBN: 9783319680583.
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- [43] Valtolina, S., Barricelli, B. R., Rizzi, A., Menghini, S., and Ciriaci, A. Interaction Design of Emergency Medical Services Used in Migrants Rescue Operations. In: *Adj. Proc. of INTERACT 2017*. 2017, pp. 237–242.
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