

# Barbara Rita BARRICELLI

Associate Professor | Università degli Studi di Brescia

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Associate Professor at the Department of Information Engineering of Università degli Studi di Brescia (Italy).

My research interests are Human-Computer Interaction, End-User Development, Human Work Interaction Design, User eXperience, and Semiotic Engineering. Since 2018 I am Chair of IFIP WG13.6 Human Work Interaction Design (second three-year term).

I am member of the International group organizer of the CoPDA (Cultures of Participation in the Digital Age) workshop series and of the Brixia Accessibility Lab (BrAL) at University of Brescia.

I obtained the National Scientific Qualification (ASN) as Associate Professor in both sectors 09/H1 - Information Processing Systems (valid from 13/11/2020 to 13/11/2029) and 01/B1 - Computer Science (valid from 23/11/2020 to 23/11/2029).

## 🎓 EDUCATION

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

## 📖 RESEARCH EXPERIENCE

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| September 2022<br>Today       | <b>Associate Professor</b><br>Department of Information Engineering, Università degli Studi di Brescia, Italy                        |
| September 2019<br>August 2022 | <b>Assistant Professor (Tenure track / RTD-B)</b><br>Department of Information Engineering, Università degli Studi di Brescia, Italy |
| November 2016<br>August 2019  | <b>Assistant Professor (RTD-A)</b><br>Department of Computer Science, Università degli Studi di Milano, Italy                        |
| June 2014<br>October 2016     | <b>Research fellow (University funds)</b><br>Department of Computer Science, Università degli Studi di Milano, Italy                 |
| January 2014<br>May 2014      | <b>Research fellow (Project funds)</b><br>Department of Computer Science, Università degli Studi di Milano, Italy                    |
| January 2013<br>December 2013 | <b>Leverhulme Trust Visiting Fellow</b><br>University of West London, United Kingdom   |

January 2011	<b>Research fellow (Project funds)</b> Department of Computer Science, Università degli Studi di Milano, Italy
December 2012	
February 2009	<b>Visiting Research Student</b> University of Siegen, Germany
June 2009	
April 2007	<b>Research Assistant</b> National Research Council (Consiglio Nazionale delle Ricerche - CNR), Istituto per le Tecnologie della Costruzione (Milano/Bari), Italy
March 2008	
February 2007	<b>Research Assistant</b> National Research Council (Consiglio Nazionale delle Ricerche - CNR), Istituto per le Tecnologie della Costruzione (Milano), Italy
December 2007	
February 2006	<b>Research Assistant</b> National Research Council (Consiglio Nazionale delle Ricerche - CNR), Istituto per le Tecnologie della Costruzione (Milano), Italy
December 2006	
March 2005	<b>Research Assistant</b> National Research Council (Consiglio Nazionale delle Ricerche - CNR), Istituto per le Tecnologie della Costruzione (Milano), Italy
December 2005	

## RESEARCH PROJECTS

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### DS4BS

2021-ONGOING

*Funded by: Fondazione Cariplo*

The Project “Data Science for Brescia – Arts and Cultural Places” (DS4BS) has the main objective to increase knowledge about the way people visit the cultural places (museums, theaters, monuments and historic buildings) in the city of Brescia, in order to support institutions and decision makers. Special attention is devoted to the experimentation of new ways for public detection and engagement, exploring cultural attitudes and perceptions, and developing new forms of accessibility to culture, also with reference to the cultural tourism.

### SORGENTI-REGENESIS

2021-ONGOING

*Funded by: Regione Lombardia*

Purpose network dedicated to the prevention of bullying / cyberbullying for autistic students.

### BULLAUT

2019

*Funded by: Regione Lombardia*

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

*Funded by: Università degli Studi di Milano*

Creation of an evaluation support system that uses the semiotic evaluation method defined and tested in previous projects.

### EASY 4.0

2018-2019

*Funded by: Regione Lombardia*

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

*Funded by: Università degli Studi di Milano*

Formal definition of the new method of usability and UX evaluation for virtual reality applications and its practical adoption in a user test.

<b>I-VITAE NEW PATHWAYS FOR LIFE</b>	2017-2019
<i>Funded by: Regione Lombardia</i>	
Design and development of an healthcare application in the infertility research domain.	
<b>SPACE-IoT</b>	2017-2019
<i>Funded by: Regione Lombardia</i>	
Adaptive system for the interactive design and production of tailor-made furniture.	
<b>SEMIOTIC ENGINEERING METHODS FOR VIRTUAL REALITY UX EVALUATION</b>	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.	
<b>SMARTFIT</b>	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.	
<b>SOCIO-TECHNICAL DESIGN OF INTERNET OF THINGS SYSTEMS</b>	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.	
<b>PERCEPTUAL ASPECTS IN 3D VISUALIZATION AND IN CALIBRATION OF STEREOSCOPIC MONITORS FOR MEDICAL IMAGING</b>	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.	
<b>MANTRA (MOBILE ANTICOAGULANT THERAPY)</b>	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.	
<b>SMART-K</b>	2012
<i>Funded by: Regione Lombardia</i>	
Design of user interfaces for industrial context.	
<b>CULTURALWIKI</b>	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.	
<b>IESP (INTERNATIONAL ETRUSCAN SIGLA PROJECT)</b>	2011-2013
<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.	
<b>DESIRE NETWORK - CREATIVE DESIGN FOR INNOVATION IN SCIENCE AND TECHNOLOGY</b>	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.	
<b>SCV (SISTEMA CULTURALE VALCHIAVENNA)</b>	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.	

**A3C ALBANIA (ALBANIA: CONOSCERE, COMUNICARE, CONDIVIDERE)**

2007-2008

*Funded by: INTERREG III-A FESR/CARDS*

Design and development of an authoring environment for geographical information management and Web publishing, integrated with personalized services.

**COL (CANTIERE ON LINE)**

2007

*Funded by: Ministry of Productive Activities*

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.

 **THIRD-PARTY FUNDED RESEARCH****CONSULTANCY FOR THE REDACTION OF A TECHNICAL MEMORANDUM ABOUT THE LITERATURE ANALYSIS ON DIGITAL TWINS AND DATA ANALYSIS FOR CYBER-PHYSICAL SYSTEMS** 2022*Funded by: Fabbrica d'Armi Pietro Beretta S.p.A.*

€11.730,00 + IVA

**USER EXPERIENCE EVALUATION OF INTERACTIVE SYSTEMS DEVELOPED IN THE FRAME OF THE RESEARCH PROJECT EASY4.0** 2020*Funded by: Social Things srl*

€4.000,00 + IVA

**STUDY AND ANALYSIS OF USABLE INTERFACES FOR SYSTEMS TO BE USED IN EMERGENCY SITUATIONS** 2014-2016*Funded by: INMM srl* **TEACHING**

2022-2023	<b>Mobile Programming</b> Università degli Studi di Brescia - MSc in Information Engineering, Electronic Engineering, and Communication Technologies and Multimedia. 60 hours.
2022-2023	<b>Informatics Techniques</b> Università degli Studi di Brescia (Italy) - BSc in Sustainable agricultural systems and BSc in Building Techniques. 60 hours.
2021-2022	<b>Mobile Programming</b> Università degli Studi di Brescia - MSc in Information Engineering, Electronic Engineering, and Communication Technologies and Multimedia. 60 hours.

2021-2022	<b>Informatics Techniques</b> Università degli Studi di Brescia (Italy) - BSc in Sustainable agricultural systems and BSc in Building Techniques. 60 hours.
2020-2021	<b>Informatics Techniques</b> Università degli Studi di Brescia (Italy) - BSc in Sustainable agricultural systems and BSc in Building Techniques. 60 hours.
2019-2020	<b>Informatics Techniques</b> Università degli Studi di Brescia (Italy) - BSc in Sustainable agricultural systems and BSc in Building Techniques. 60 hours.
2020	<b>Mobile Interaction Design</b> Università degli Studi di Brescia (Italy) - PhD in Information Engineering. 15 hours.
2018-2019	<b>Laboratory of Computer Programming</b> Università degli Studi di Milano (Italy) - BSc in Computer Science for Digital Communication. 48 hours.
2017-2018	<b>Laboratory of Computer Programming</b> Università degli Studi di Milano (Italy) - BSc in Computer Science for Digital Communication. 48 hours.
2016-2017	<b>Informatics</b> Università degli Studi di Milano (Italy) - BSc in Science and Technology for Study and Preservation of Cultural Heritage and Medium. 48 hours.
2015-2016	<b>Human-Computer Interaction</b> ( <i>Teaching Assistant</i> ) Università degli Studi di Milano (Italy) - BSc in Computer Science for Digital Communication. 14 hours.
2015-2016	<b>Informatics</b> ( <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	<b>Multimedia Architectures</b> ( <i>Teaching Assistant</i> ) Università degli Studi di Milano (Italy) - MSc in Computer Science. 36 hours.
2014-2015	<b>Human-Computer Interaction</b> ( <i>Teaching Assistant</i> ) Università degli Studi di Milano (Italy) - BSc in Computer Science for Digital Communication. 8 hours.
2014-2015	<b>Informatics</b> ( <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	<b>Multimedia Architectures</b> ( <i>Teaching Assistant</i> ) Università degli Studi di Milano (Italy) - MSc in Computer Science. 24 hours.
2013	<b>User-Centered Design</b> University of West London - MSc Computing Interaction Design. 42 hours.
2013	<b>Sociotechnical Research Methods in mHealth</b> ( <i>One lecture</i> ) University of West London - MSc Computing Interaction Design. 3 hours.
2014	<b>Multimedia Architectures</b> ( <i>Teaching Assistant</i> ) Università degli Studi di Milano (Italy) - MSc in Computer Science. 24 hours.
2011-2012	<b>Databases Laboratory</b> ( <i>Teaching Assistant</i> ) Università degli Studi di Milano (Italy) - MSc in Music Information. 48 hours. Science

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

## THESES ADVISOR

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<b>UENDI NASI</b> - BSc, Università degli Studi di Brescia, Italy	ONGOING
"Digital sobriety: an approach to the construction of a sustainable future"	
<b>STELA NASI</b> - BSc, Università degli Studi di Brescia, Italy	ONGOING
"Metaverse: technologies and experience from its origins to the present day"	
<b>ENRICA VIVIANI</b> - MSc, Università degli Studi di Brescia, Italy	2022
"Design and development of a system for explanations visualization"	
<b>ALESSANDRO MATAFORA</b> - BSc, Università degli Studi di Milano, Italy	2019
"A study on accessibility and pleasantness of Web interfaces"	
<b>RAFFAELE COZZA</b> - MSc, Università degli Studi di Milano, Italy	2019
"Video annotation for user tests on virtual reality applications"	
<b>AMBRA DE BONIS</b> - BSc, Università degli Studi di Milano, Italy	2017
"Validation of a framework for virtual reality applications classification"	
<b>NATHALY BELEN BETANCOURT BARRIGA</b> - 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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<b>ALESSANDRO BONDIOLI</b> - MSc, Università degli Studi di Brescia, Italy	2022
"Personalization of an IoT ecosystem through the conversation with a virtual assistant"	
<b>LETIZIA IEMMOLO</b> - Corso di Laurea Magistrale, Università degli Studi di Brescia	2022
"An approach to creating routines for virtual assistants based on multi-modal interaction"	
<b>ALICE PLUTINO</b> - PhD, Università degli Studi di Milano, Italy	2021
"A study to overcome the limits of colorimetry in cultural heritage applications"	

<b>MARCO PISCIOTTA</b> - <i>MSc, Università degli Studi di Milano, Italy</i>	2020
"Design and development of a collaborative interactive system for communicability analysis"	
<b>ELENA RAIMONDI</b> - <i>BSc, Università degli Studi di Milano, Italy</i>	2018
"Accessibility in the public administration: design principles"	
<b>GIOVANNI LOMBARDO</b> - <i>BSc, Università degli Studi di Milano, Italy</i>	2017
"Design and development of a visual interactive system for quantified self and lifelogging"	
<b>ALESSIO BATTISTA RIVA</b> - <i>BSc, Università degli Studi di Milano, Italy</i>	2016
"A usability study of ecomuseums Web applications"	
<b>STEFANO QUINTERI</b> - <i>BSc, Università degli Studi di Milano, Italy</i>	2016
"A tool for interfaces correction based on the human visual system"	
<b>SAMUELE ANZANI</b> - <i>BSc, Università degli Studi di Milano, Italy</i>	2015
"User experience in online participatory budgeting"	
<b>ALBERTO FALESCHINI</b> - <i>MSc, Università degli Studi di Milano, Italy</i>	2015
"Ecosystem of tools, services and methodologies for archaeology"	
<b>MARCO PAGLIOTTA</b> - <i>BSc, Università degli Studi di Milano, Italy</i>	2014
"Visual interactive systems for the collaborative decipherment of non-verbal languages"	
<b>YANET DEVIS</b> - <i>MSc, University of West London, United Kingdom</i>	2013
"Mobile Health Interface Design and Development for a Rural Environment (MANTRA Project)"	
<b>MICHELE AMENDOLAGINE</b> - <i>MSc, Università degli Studi di Milano, Italy</i>	2011
"Design and development of a geographic information system for supporting protection and enhancement of archaeological excavations"	
<b>SIMONE TUVERI</b> - <i>BSc, Università degli Studi di Milano, Italy</i>	2011
"Definition of digital annotation and development of a visual interactive system for its management"	
<b>PAOLO LUIGI SCALA</b> - <i>MSc, Università degli Studi di Milano, Italy</i>	2010
"Design and development of a task management system prototype for multimodal information management"	
<b>CLAUDIO FRANCESCO SCIARRABBA</b> - <i>BSc, Università degli Studi di Milano, Italy</i>	2010
"Internationalization of MIS for graphics industry: the Heidelberg Prinect Business Manager case study"	
<b>ALEX CORLATTI</b> - <i>BSc, Università degli Studi di Milano, Italy</i>	2010
"Visual tagging: expressing emotions, evaluating and classifying"	
<b>ROBERTO D'AMATO</b> - <i>MSc, Università degli Studi di Milano, Italy</i>	2009
"End-user development methods analysis: the refactoring of BANCO architecture"	
<b>BLEDAR GJOCAJ</b> - <i>MSc, Università degli Studi di Milano, Italy</i>	2009
"Management and use of distributed knowledge in territory management"	
<b>ADAM ROGNONI</b> - <i>BSc, Università degli Studi di Milano, Italy</i>	2009
"Design of a vocal annotation language and development of an interpreter"	
<b>ROSSANA CORNACCHIA</b> - <i>BSc, Università degli Studi di Milano, Italy</i>	2009
"Annotation management policies in a distributed knowledge-based system"	
<b>ROSSELLA NOTA</b> - <i>BSc, Università degli Studi di Milano, Italy</i>	2009
"Information architecture in cultural heritage domain: the MUVIS museum case study"	
<b>CLAUDIO ARCORIA</b> - <i>BSc, Università degli Studi di Milano, Italy</i>	2009
"Configuration of BANCO framework for mobile devices"	

SERENA LEGGIERI - BSc, Università degli Studi di Milano, Italy

2008

"Development of localization features for Web-based interactive systems"

MATTEO LAMPUGNANI - BSc, Università Cattolica del Sacro Cuore, Italy

2008

"FOAF (Friend-of-a-Friend) for social networks: a students' profile management system"

## ORGANIZING ACTIVITY: CHAIR

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| 2024 | ▶ General Co-Chair: Working Conference of the IFIP WG 13.6 Human Work Interaction Design - HWID 2024 (Milan (Italy), dates to be announced)  |
| 2022 | ▶ Member of the Organization Committee: International Conference on Universal Design - UD2022 (Brescia, 07-09/09/2022)   |
| 2021 | ▶ General Co-Chair: Working Conference of the IFIP WG 13.6 Human Work Interaction Design - HWID 2021 (Beijing e online, 15-16/05/2021)<br>▶ Demo Co-Chair: IFIP TC13 International Conference on Human-Computer Interaction - INTERACT 2021 (Bari, 30/08/2021 – 03/09/2021)<br>▶ Short Paper Co-Chair: International Symposium on End-User Development - IS-EUD 2021 (Online, 6-7/07/2021)<br>▶ Workshop Co-Chair: SIGCHI Italian Chapter Biannual Conference - CHIItaly 2021 (Bolzano, 10-12/02/2021) |
| 2019 | ▶ Demo Co-chair: International Symposium on End-User Development - IS-EUD 2019 (Hertfordshire, 10-12/07/2019)  |
| 2018 | ▶ Program Chair. Working Conference of the IFIP WG 13.6 Human Work Interaction Design - HWID 2018 (Espoo, 20-21/08/2018)   |
| 2017 | ▶ Demo Chair: International Symposium on End-User Development - IS-EUD 2017 (Eindhoven, 13-15/06/2017)   |
| 2016 | ▶ Poster + Demo Co-chair: International Conference on Advanced Visual Interfaces - AVI 2016 (Bari, 7-10/06/2016)<br>▶ Workshop Co-chair: British Human-Computer Interaction Conference - British HCI 2016 (Bournemouth, 11-15/07/2016)   |
| 2015 | ▶ Program Chair: Working Conference of the IFIP WG 13.6 Human Work Interaction Design - HWID 2015 (London, 25-26/06/2015)  |
| 2013 | ▶ Workshop Co-Chair: International Symposium on End-User Development - IS-EUD 2013 (Copenhagen, 11-13/06/2013)   |

## ORGANIZING ACTIVITY: PROGRAM COMMITTEE MEMBER

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| 2022 | ▶ International Conference on Advanced Visual Interfaces - AVI 2022 (Frascati, 6-11/06/2022)   |
| 2021 | ▶ Workshop Artificial Intelligence and Applications for Business and Industries - AIABI 2021 (Milano, 30/11/2021)<br>▶ International Symposium on End-User Development - IS-EUD 2021 (Online, 6-7/07/2021) |
| 2020 | ▶ International Conference on Advanced Visual Interfaces - AVI 2020 (Ischia, 28/09-02/10/2020)<br>▶ EUDIOT 2020 (Cancelled event due to COVID-19)  |
| 2019 | ▶ International Symposium on End-User Development - IS-EUD 2019 (Hertfordshire, 10-12/07/2019)<br>▶ SIGCHI Italian Chapter Biannual Conference - CHIItaly 2019 (Padova, 23-25/09/2019)                     |



- 2018 |
  - ▶ International Conference on Advanced Visual Interfaces - AVI 2018 (Castiglione della Pescaia, 29/05/2018 – 01/06/2018)
  - ▶ Workshop GHItaly 2018 (in conjunction with AVI 2018, Castiglione della Pescaia, 29/05/2018)
- 2017 |
  - ▶ International Symposium on End-User Development - IS-EUD 2017 (Eindhoven, 13-15/06/2017)
  - ▶ SIGCHI Italian Chapter Biannual Conference - CHIItaly 2017 (Cagliari, 19-20/09/2017)
  - ▶ Workshop on Games-Human Interaction - GHItaly 2017 (in conjunction with CHIItaly 2017, Cagliari, 18/09/2017)
- 2015 |
  - ▶ International Symposium on End-User Development - IS-EUD 2015 (Madrid, 26-29/05/2015)
  - ▶ SIGCHI Italian Chapter Biannual Conference - CHIItaly 2015 (Roma, 28-30/09/2015)
- 2014 |
  - ▶ International Conference on Advanced Visual Interfaces - AVI 2014 (Como, 27-30/05/2014)
- 2013 |
  - ▶ International Symposium on End-User Development - IS-EUD 2013 (Copenhagen, 11-13/06/2013)
  - ▶ International Conference on Advances in Information Mining and Management - IMMM 2013 (Lisbon, 17-22/11/2013)
- 2012 |
  - ▶ International Conference on Advances in Information Mining and Management - IMMM 2012 (Venezia, 21-26/10/2012)
- 2011 |
  - ▶ International Conference on Advances in Information Mining and Management - IMMM 2011 (Barcelona, 23-28/10/2011)
  - ▶ International Conference on Creative Design for Innovation in Science and Technology - DESIRE 2011 (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

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- 2022 |
  - ▶ Workshop Cultures of Participation in the Digital Age. AI for Humans or Humans for AI? - CoPDA 2022 (in conjunction with AVI 2022, Frascati, 07/06/2022)
- 2021 |
  - ▶ Organization of seminar by Prof. Anders I. Mørch: Learning Domain Knowledge using Block-Based Programming: Design-Based Collaborative Learning (Brescia, 12/11/2021) - Funded by UNIBS (€600,00)
  - ▶ Panel Experiencing Contemporary Art at a Distance (in conjunction with INTERACT 2021, Bari, 03/09/2021)
  - ▶ Workshop Pilot4HWID Pilot Implementation: Testing Human-Work Interaction Designs (in conjunction with INTERACT 2021, Bari, 31/08/2021)
- 2020 |
  - ▶ Workshop Art digitization: A challenge to develop new virtual sensitive visions - CloudArt. (Online, 14/10/2020)
  - ▶ IFIP TC13 Open Symposium e Business Meeting. Funded by UNIBS (€2.500,00) (Cancelled event due to COVID-19)
- 2019 |
  - ▶ Organization of seminar by Prof. Arminda Guerra Lopes: Challenges and Barriers when Analyzing Data from User Experiences with Artifacts (Brescia, 10/12/2019)
- 2018 |
  - ▶ Workshop Cultures of Participation in the Digital Age. Design Trade-offs for an Inclusive Society - CoPDA 2018 (in conjunction with AVI 2018, Castiglione della Pescaia, 29/05/2018)
- 2017 |
  - ▶ Workshop Embracing Diversity with Help of Technology and Participatory Design (in conjunction with C&T 2017, Troyes, 27/06/2017)
  - ▶ Workshop Human Work Interaction Design meets International Development (in conjunction with INTERACT 2017, Mumbai, 25-26/09/2017)

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

## EDITORIAL ACTIVITY

Editor	<ul style="list-style-type: none"> <li>▶ Since 2015 Associate Editor of the International Journal of Sociotechnology and Knowledge Development (IJSKD) - IGI Global</li> </ul>
Special issue	<ul style="list-style-type: none"> <li>▶ Guest editor: IxD&amp;A, Focus Section on Human-Work Interaction Design Meets International Development (Vol. 37, 2018)</li> <li>▶ Guest editor: 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)</li> <li>▶ Guest editor: International Journal of Sociotechnology and Knowledge Development (IJSKD), Special Issue on Sociotechnology and Pervasive Health (Vol. 6, No. 1 e 2, 2014)</li> </ul>
Proceedings and books	<ul style="list-style-type: none"> <li>▶ Editor: Human Work Interaction Design. Artificial Intelligence and Designing for a Positive Work Experience in a Low Desire Society. 6th IFIP WG 13.6 Working Conference, HWID 2021, Beijing, China, May 15–16, 2021, Revised Selected Papers. Series: IFIP Advances in Information and Communication Technology, Vol. 609. ISBN: 978-3-031-02904-2</li> <li>▶ Editor: Proceedings of IS-EUD2021, the Eight International Symposium on End-User Development, Springer, LNCS Vol. 12724. ISBN: 978-3-030-79840-6</li> <li>▶ Editor: 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</li> <li>▶ Editor: 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</li> <li>▶ Editor: 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</li> <li>▶ Editorial Advisory Board: Information and Communication Overload in the Digital Age - Eds. Marques, R.P.F. and Lopes Batista, J.C., IGI Global, 2016</li> <li>▶ Editor: 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</li> <li>▶ Editor: 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</li> <li>▶ Editor: 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</li> </ul>

<b>Reviewer</b>	<ul style="list-style-type: none"> <li>▶ Scientific Journals: Multimedia Tools and Applications (Springer), Behaviour &amp; Information Technology (Taylor &amp; 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), Journal of Human Computer Studies (Elsevier), IEEE Software (IEEE)</li> <li>▶ Projects: Uni-Impresa 2019 Università degli Studi di Padova (Italy); University of Bolzano - Funding of interdisciplinary projects; MIUR FISR 2020</li> <li>▶ 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, GHIItaly 2019, AVI 2020, NordiCHI 2020, ECIS 2020, CHI2021, IS-EUD 2021, HWID 2021, CHIItaly 2021, INTERACT 2021, AVI 2022, UD2022.</li> </ul>
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## PROFESSIONAL PRESENTATIONS

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<b>22/06/2022</b>	Seminar "Sociotechnical Design of Interactive Systems" - Università degli Studi di Brescia
<b>17/03/2022</b>	"Human Work Interaction Design and Digital Twin in Collaborative Robotics" - IFIP TC13 Open Symposium 2022 (York)
<b>14/10/2021</b>	Seminar "Progettare la conversazione" - Corso di Interazione Uomo-Macchina (Prof. Daniela Fogli), Università degli Studi di Brescia
<b>31/08/2021</b>	"Socio-technical and collaborative design of pilot implementations of digital twins" - Workshop Pilot implementation: testing human-work interaction designs (in conjunction with INTERACT 2021, Bari e online)
<b>13/07/2021</b>	"Virtual Assistants for Personalizing IoT Ecosystems: Challenges and Opportunities" - SIGCHI Italian Chapter Biannual Conference - CHIItaly 2021 (Bolzano)
<b>16/05/2021</b>	"Monitoring the Wellbeing of Remote Workers" - Working Conference of the IFIP WG 13.6 Human Work Interaction Design - HWID 2021 (Online and Beijing)
<b>12/11/2020</b>	"Questa è casa mia e qui comando io! Controllare e personalizzare il comportamento dei virtual assistant" - World Usability Day - WUDuniTO 2020 (Online)
<b>10/11/2020</b>	Seminar "Progettare la conversazione" - Corso di Interazione Uomo-Macchina (Prof.ssa Daniela Fogli), Università degli Studi di Brescia
<b>01/10/2019</b>	Workshop "Responsible Human-Machine Teaming". The Alan Turing Institute (London)
<b>11/07/2019</b>	"Virtual Assistants for End-User Development in the Internet of Things" - International Symposium on End-User Development - IS-EUD 2019 (Hatfield)
<b>18/09/2017</b>	"Participatory Design and ICT for Fostering ADHD Students' Inclusion" - Workshop HCI and education in a changing world: from school to public engagement (in conjunction with CHIItaly 2017, Cagliari)
<b>14/09/2015</b>	"Interaction Design for Stratigraphic Analysis in Archaeology" - Workshop Human Work Interaction Design (HWID): Design for Challenging Work Environments (in conjunction with INTERACT 2015 (Bamberg))
<b>25/06/2015</b>	"Co-Design of a Cloud of Services for Archaeological Practice" - Working Conference of the IFIP WG 13.6 Human Work Interaction Design - HWID 2015 (London)
<b>26/05/2015</b>	"A Semiotic Approach to EUD for the Internet of Things" - Workshop Cultures of Participation in the Digital Age - CoPDA 2015 (in conjunction with IS-EUD 2015, Madrid)
<b>27/05/2014</b>	"User-Centered Recommendation Services in Internet of Things Era" - Workshop Cultures of Participation in the Digital Age - CoPDA 2014 (in conjunction with AVI 2014, Como)

- 07/05/2013 | "MANTRA: Mobile Anticoagulant Therapy Management" - International Conference on Pervasive Computing Technologies for Healthcare - PervasiveHealth 2013 (Venezia)
- 06/06/2013 | "Digital Cultural Heritage and Living Labs" - Workshop Cultures of Participation in the Digital Age - CoPDA 2013 (in conjunction with IS-EUD 2013, Copenhagen)
- 14/11/2012 | Seminar "Leverhulme Trust Visiting Fellowship: MANTRA Project" - University of West London (London)
- 05/06/2012 | "Atmosphere Design for Mobile Interaction" - Workshop ICTP Scientific m-Learning (Trieste)
- 09/06/2012 | "ArchMatrix: A Visual Interactive System for Graph-based Knowledge Exploration in Archaeology" - AVI 2012 (Capri)
- 06/05/2012 | "Archaeology and Technology: Towards Collaborative Decipherment of Non-Verbal Markings" - Workshop Heritage Matters (in conjunction with CHI 2012, Austin)
- 18/04/2012 | "Atmosphere Design and Evaluation in Creative Collaborative Projects" - Conference on Human-Computer Interaction, User Experience and Information Architecture - Polish IA Summit 2012 (Warsaw)
- 26/03/2012 | "Towards Collaborative Decipherment of Non-Verbal Markings" - Conference on Computer Applications and quantitative methods in archaeology - CAA 2012 (Southampton)
- 01/02/2012 | Seminar "Infrastruttura Tecnologica alla Base del Portale Culturale della Valchiavenna". Stazione Valchiavenna, Università degli Studi di Milano
- 04/10/2011 | "A Meta-Reflective Wiki for Collaborative Design" - International Symposium on Wikis and Open Collaboration - WikiSym 2011 (Mountain View)
- 07/06/2011 | "EUD for Semantic Orchestration of Web services in Workflow Management Systems" - Workshop on End User Development of Software Services and Applications - EUD4Services 2011 (in conjunction with IS-EUD 2011, Torre Canne)
- 09/06/2011 | "MikiWiki: A Meta Wiki Architecture and Prototype Based on the Hive-Mind Space Model" - International Symposium on End-User Development - IS-EUD 2011 (Torre Canne)
- 07/05/2011 | "Software Localization to Gender and Culture: Fostering Female Participation and Creativity in the Web" - Workshop Feminism and Interaction Design (in conjunction with CHI 2011, Vancouver)
- 09/07/2010 | "BANCO Web Architecture to Support Global Collaborative Interaction Design" - International Workshop on Internationalisation of Products and Systems - IWIPS 2010 (London)
- 25/10/2010 | "Visual Workflow Composition through Semantic Orchestration of Web Services" - Workshop on End User Development of Software Services and Applications - EUD4Services 2010 (in conjunction with AVI 2010, Roma)
- 15/09/2009 | "Map-Based Wikis as Contextual and Cultural Mediators" - Workshop Community Practices and Locative Media (in conjunction with MobileHCI 2009, Bonn)
- 02/02/2009 | Seminar "Erasmus LLP Visiting PhD Student: Research Topics and PhD Project" - University of Siegen (Siegen)
- 02/09/2008 | "A Design Methodology for Multimodal Interactive Systems: A Pragmatical Approach" - Workshop on Management and Interaction with Multimodal Information Content - MIMIC 2008 (in concomitansa con DEXA 2008, Torino)
- 30/06/2008 | "Un Sistema Collaborativo per l'Authoring di Informazioni Turistiche ed Ambientali e per la loro Pubblicazione in Rete" - "Tutela architettonica, paesaggistica e ambientale: politica territoriale per un turismo sostenibile. Il progetto SITRuS" (Bari)

11/06/2008 | "A Collaborative System for Environment and Tourism Information Authoring and Web Publishing: An Institutional Case Study" - International Conference on Internet and Web Applications and Services - ICIW 2008 (Athens)

## AWARDS

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- 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.

## AFFILIATIONS

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Chair of IFIP TC13(HCI)-Working Group 13.6 on Human-Work Interaction Design (HWID).	2018-TODAY
Professional member of ACM and voting member of ACM SIGCHI Italy.	2011-TODAY
Professional member of AICA. Co-opted councillor for the International Sub-section.	2015-TODAY
Member of GII (Gruppo di Ingegneria Informatica)	2019-TODAY
Community Development Co-Chair of EUSSET.	2017-2018
Secretary Officer of IFIP TC13-WG6 HWID.	2014-2016
Member of GRIN (Gruppo di Informatica)	2013-2019

## INSTITUTIONAL ASSIGNMENTS

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- 2020-ongoing | Member of the PhD Faculty of the PhD in Information Engineering of Università degli Studi di Brescia, Italy - Cycles XXXVI and XXXVII
- 2021-ongoing | Academic Referent for International Mobility (for BSc and MSc in Computer Science and Engineering), Università degli Studi di Brescia, Italy
- 2019-2021 | Member of the Admission Tests Commission, 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

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- 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 2005	Web content manager According s.r.l., Italy
1998	Analyst programmer on IBM AS400 Birra Forst S.p.A., Italy

## PUBLICATIONS

### International Journals

- [1] Barricelli, B. R., Fogli, D. e Locoro, A. EUDability: a new construct at the intersection of End-User Development and Computational Thinking. *Journal of Systems and Software* (accepted for publication).
- [2] Hertzum, M., Clemmensen, T., Campos, P., Barricelli, B. R., Hansen, C. E. D., Herbæk, L. K., Abdelnour-Nocera, J., Lopes, A. G. e Saadati, P. A SWOT analysis of pilot implementation. *ACM Interactions* (accepted for publication).
- [3] Barricelli, B. R. e Fogli, D. Digital Twins in Human-Computer Interaction: A Systematic Review. *International Journal of Human-Computer Interaction* (2022). doi: <https://doi.org/10.1080/10447318.2022.2118189>.
- [4] Plutino, A., Barricelli, B. R., Casiraghi, E. e Rizzi, A. Scoping review on automatic color equalization algorithm. *Journal of Electronic Imaging* 30 (2) (2021). doi: [10.1117/1.JEI.30.2.020901](https://doi.org/10.1117/1.JEI.30.2.020901).
- [5] Prandi, C., Barricelli, B. R., Mirri, S. e Fogli, D. Accessible wayfinding and navigation: a systematic mapping study. *Universal Access in the Information Society* (2021). doi: <https://doi.org/10.1007/s10209-021-00843-x>.
- [6] Barricelli, B. R., Casiraghi, E., Dattolo, A. e 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).
- [7] Barricelli, B. R., Casiraghi, E., Gliozzo, J., Petrini, A. e 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).
- [8] Barricelli, B. R., Casiraghi, E., Lecca, M., Plutino, A. e 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).
- [9] Valtolina, S., Barricelli, B. R. e 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](https://doi.org/10.1080/0144929X.2019.1637025).
- [10] Barricelli, B. R., Abdelnour-Nocera, J., Wilson, J. e 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](https://doi.org/10.1007/s12553-019-00358-9).
- [11] Barricelli, B. R., Casiraghi, E. e 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](https://doi.org/10.1109/ACCESS.2019.2953499).
- [12] Barricelli, B. R., Casiraghi, E., Gliozzo, J., Huber, V., Leone, B. E., Rizzi, A. e 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](https://doi.org/10.1186/s12859-019-3285-4).
- [13] Barricelli, B. R., Cassano, F., Fogli, D. e 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](https://doi.org/10.1016/j.jss.2018.11.041).
- [14] Barricelli, B. R., Sciarelli, P., Valtolina, S. e 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](https://doi.org/10.1007/s10209-017-0526-z).
- [15] Rizzi, A., Barricelli, B. R., Bonanomi, C., Albani, L. e 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](https://doi.org/10.1049/iet-cvi.2018.5252).
- [16] Valtolina, S., Barricelli, B. R., Rizzi, A., Menghini, S. e Ciriaci, A. Emergency medical IT services for migrants rescue operations. *Interaction Design and Architecture(s)* (37) (2018), pp. 143–158. issn: 22832998.
- [17] Barricelli, B. R. e 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](https://doi.org/10.1016/j.jvlc.2017.01.004).
- [18] Rizzi, A., Fogli, D. e 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](https://doi.org/10.1007/s11042-016-3400-8).
- [19] Barricelli, B. R., Gadia, D., Rizzi, A. e 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](https://doi.org/10.1080/0144929X.2016.1212092).
- [20] 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. e 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](https://doi.org/10.5301/tj.5000493).
- [21] Barricelli, B. R. e 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](https://doi.org/10.4018/ijskd.2014010102).



- [22] Valtolina, S., Barricelli, B. R. e Sciarabba, M. CulturalWiki: A semantic map-based wiki for interdisciplinary collaboration. *Interaction Design and Architecture(s)* 18 (1) (2013), pp. 23–39. ISSN: 22832998.
- [23] Valtolina, S., Barricelli, B. R., Ariano, F., Padula, M. e 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**.
- [24] Valtolina, S., Barricelli, B. R. e Dittrich, Y. Participatory knowledge-management design: A semiotic approach. *Journal of Visual Languages and Computing* 23 (2) (2012), pp. 103–115. ISSN: 1045926X. DOI: **10.1016/j.jvlc.2011.11.007**.
- [25] Valtolina, S., Barricelli, B. R., Mesiti, M. e Ribaudo, M. User-centered design of e-learning tools for users with special needs: The visualpedia case study. *Interaction Design and Architecture(s)* 13-14 (1) (2012), pp. 47–55. ISSN: 22832998.
- [26] Barricelli, B. R., Malcangi, M. e Mussio, P. Multimodal mood-based annotation. *WSEAS Transactions on Information Science and Applications* 8 (5) (2011), pp. 213–222. ISSN: 17900832 (ISSN).
- [27] Barricelli, B. R., Mussio, P., Padula, M. e Scala, P. L. TMS for multimodal information processing. *Multimedia Tools and Applications* 54 (1) (2011), pp. 97–120. ISSN: 13807501. DOI: **10.1007/s11042-010-0527-x**.
- [28] Barricelli, B. R., Rekowsky, T. von, Sprenger, M.-A. e 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.
- [29] Zhu, L., Barricelli, B. R. e Iacob, C. A meta-design model for creative distributed collaborative design. *International Journal of Distributed Systems and Technologies* 2 (4) (2011), pp. 1–16. ISSN: 19473540. DOI: **10.4018/jdst.2011100101**.
- [30] Iacob, C., Mussio, P., Zhu, L. e 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**.
- [31] Barricelli, B. R., Marcante, A., Mussio, P., Parasiliti Provenza, L., Valtolina, S. e Fresta, G. BANCO: A Web Architecture Supporting Unwitting End-User Development. *Interaction Design and Architecture(s)* 5-6 (2009), pp. 23–30.

## Book Chapters

- [1] Barricelli, B. R., Rizzi, A., Valtolina, S. e 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**.
- [2] Rizzi, A., Barricelli, B. R., Bonanomi, C., Plutino, A. e 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.
- [3] Valtolina, S. e 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**.
- [4] Barricelli, B. R. e 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**.
- [5] Barricelli, B. R., Valtolina, S., Gadia, D., Marzullo, M., Piazzi, C. e 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. e 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.
- [7] Barricelli, B. R., Mussio, P., Padula, M., Piccinno, A., Scala, P. L. e 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**.
- [8] Mesiti, M., Ribaudo, M., Valtolina, S., Barricelli, B. R., Boccacci, P. e Dini, S. Collaborative Environments: Accessibility and Usability for Users with Special Needs. In: *Community-Built Databases*. Springer, 2011, pp. 319–340.
- [9] Barricelli, B. R., Marcante, A., Mussio, P., Parasiliti Provenza, L., Padula, M. e 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.
- [10] Barricelli, B. R., Mussio, P., Padula, M., Marcante, A., Parasiliti Provenza, L. e 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**.
- [11] Barricelli, B. R., Maiellaro, N., Padula, M. e 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

- [1] Barricelli, B. R., Fischer, G., Fogli, D., Morch, A., Piccinno, A. e Valtolina, S. CoPDA 2022 - Cultures of Participation in the Digital Age: AI for Humans or Humans for AI? In: *Proceedings of the 2022 International Conference on Advanced Visual Interfaces*. New York, NY, USA: Association for Computing Machinery, 2022. ISBN: 9781450397193. DOI: **10.1145/3531073.3535262**.

- [2] Barricelli, B. R. e Fogli, D. Exploring the Reciprocal Influence of Artificial Intelligence and End-User Development. In: *Proc. of CoPDA 2022*. Vol. 3136. CEUR-WS, 2022, pp. 21–29.
- [3] Barricelli, B. R., Fogli, D., Iemmolo, L. e Locoro, A. A Multi-Modal Approach to Creating Routines for Smart Speakers. In: *Proc. of AVI 2022*. Cham: Springer International Publishing, 2022, pp. 1–5. doi: **10.1145/3531073.3531168**.
- [4] Barricelli, B. R. e Fogli, D. Virtual Assistants for Personalizing IoT Ecosystems: Challenges and Opportunities. In: *CHIItaly 2021: 14th Biannual Conference of the Italian SIGCHI Chapter*. New York, NY, USA: Association for Computing Machinery, 2021. ISBN: 9781450389778. doi: **10.1145/3464385.3464699**.
- [5] Barricelli, B. R., Varesano, A., Carbi, G., Clemmensen, T., Foresti, G. L., Abdelnour Nocera, J., Ćirić, M., Veer, G. van der, Pittarello, F., Nunes, N. J., Bollini, L. e Verdeil, A. Experiencing Contemporary Art at a Distance. In: *Human-Computer-Interaction – INTERACT 2021*. Cham: Springer International Publishing, 2021, pp. 344–347. doi: **10.1007/978-3-030-85607-6\_34**.
- [6] Barricelli, B. R., Varesano, A., Carbi, G., Clemmensen, T. e Pittarello, F. Contemporary Art Digitalization: An Opportunity for Designing New Experiences. In: *Human-Computer-Interaction – INTERACT 2021*. Cham: Springer International Publishing, 2021, pp. 382–385. doi: **10.1007/978-3-030-85607-6\_42**.
- [7] Hertzum, M., Clemmensen, T., Barricelli, B. R., Campos, P. F., Gonçalves, F., Abdelnour Nocera, J., Bhutkar, G. e Lopes, A. G. Pilot Implementation: Testing Human-Work Interaction Designs. In: *Human-Computer-Interaction – INTERACT 2021*. Cham: Springer International Publishing, 2021, pp. 570–574. doi: **10.1007/978-3-030-85607-6\_79**.
- [8] Barricelli, B. R., Casiraghi, E. e 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**.
- [9] Bhutkar, G., Roto, V., Clemmensen, T., Barricelli, B. R., Abdelnour-Nocera, J., Meschtscherjakov, A., Lopes, A. G., Campos, P. e 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**.
- [10] Valtolina, S., Hachem, F., Barricelli, B. R., Belay, E. G., Bonfitto, S. e 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**.
- [11] Barricelli, B. R., De Bonis, A., Di Gaetano, S. e Valtolina, S. Semiotic framework for virtual reality usability and ux evaluation: A pilot study. In: *Proc. of CHIItaly 2018*. Vol. 2246. CEUR-WS, 2018.
- [12] Barricelli, B. R., Fischer, G., Fogli, D., Mørch, A., Piccinno, A. e 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**.
- [13] Lopes, A., Campos, P. e 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**.
- [14] Valtolina, S., Barricelli, B. R., Di Gaetano, S. e Diliberto, P. Chatbots and conversational interfaces: Three domains of use. In: *Proc. of CoPDA 2018*. Vol. 2101. CEUR-WS, 2018, pp. 62–70.
- [15] Valtolina, S., Barricelli, B. R., Rizzi, A., Menghini, S. e 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**.
- [16] Barricelli, B. R. e De Bonis, A. Semiotic virtual reality framework validation. In: *Proc. of CHIItaly 2017*. Vol. 1910. CEUR-WS, 2017, pp. 102–105.
- [17] Barricelli, B. R. e 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**.
- [18] Bonanomi, C., Lanaro, M. P., Rizzi, A. e Barricelli, B. R. A Perceptual Method to Assess Color in Interfaces. In: *Proc. of AIC Color 2017*. 2017, Paper PS03–49.
- [19] Campos, P., Clemmensen, T., Barricelli, B. R., Abdelnour-Nocera, J., Lopes, A. e 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.
- [20] Valtolina, S., Barricelli, B. R., Fogli, D., Colosio, S. e Testa, C. Public staff empowerment in e-Government: A human work interaction design approach. In: *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. Vol. 10303 LNCS. Springer Verlag, 2017, pp. 119–134. ISBN: 9783319587349. doi: **10.1007/978-3-319-58735-6\_9**.
- [21] Valtolina, S., Barricelli, B. R., Rizzi, A., Menghini, S. e Ciriaci, A. Interaction Design of Emergency Medical Services Used in Migrants Rescue Operations. In: *Adj. Proc. of INTERACT 2017*. 2017, pp. 237–242.
- [22] Barricelli, B. R., Abdelnour-Nocera, J. e Valtolina, S. Sociotechnical design of mhealth applications for chronic diseases. In: *Proceedings of the 18th International Conference on Human-Computer Interaction with Mobile Devices and Services Adjunct, MobileHCI 2016*. Association for Computing Machinery, Inc, 2016, pp. 1097–1100. ISBN: 9781450344135. doi: **10.1145/2957265.2965009**.



- [23] Barricelli, B. R., Clemmensen, T., Campos, P., Abdelnour-Nocera, J. e Lopes, A. Motivation, participation, and engagement in human work interaction design literature. In: *Proc. of CoPDA 2016*. Vol. 1776. CEUR-WS, 2016, pp. 8–13.
- [24] Barricelli, B. R., Fischer, G., Fogli, D., Mørch, A., Piccinno, A. e Valtolina, S. Cultures of participation in the digital age: From "have to" to "want to" participate. In: *ACM International Conference Proceeding Series*. Vol. 23-27-Octo. Association for Computing Machinery, 2016. ISBN: 9781450347631. doi: **10.1145/2971485.2987668**.
- [25] Barricelli, B. R. e Valtolina, S. End-user development for lifelogging and eWellness. In: *Proceedings of the Workshop on Advanced Visual Interfaces AVI*. Vol. 07-10-June. Association for Computing Machinery, 2016, pp. 292–293. ISBN: 9781450341318. doi: **10.1145/2909132.2926059**.
- [26] Cabrero, D., Lopes, A. G. e Barricelli, B. R. HCI within cross-cultural discourses of globally situated rhetorical and etymological interactions. In: *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. Vol. 9741. Springer Verlag, 2016, pp. 16–25. ISBN: 9783319400921. doi: **10.1007/978-3-319-40093-8\_2**.
- [27] Tzovaras, D., Votis, K., Valtolina, S., Barricelli, B. R., Abdelnour-Nocera, J., Moustakas, K. e Kikidis, D. Workshop on mobile healthcare for the self-management of chronic diseases and the empowerment of patients. In: *Proceedings of the 18th International Conference on Human-Computer Interaction with Mobile Devices and Services Adjunct, MobileHCI 2016*. Association for Computing Machinery, Inc, 2016, pp. 1069–1072. ISBN: 9781450344135. doi: **10.1145/2957265.2965002**.
- [28] Valtolina, S. e Barricelli, B. R. End-user development for lifelogging and eWellness. In: *Proc. of SERVE 2016*. Vol. 1602. CEUR-WS, 2016, pp. 42–48.
- [29] Valtolina, S. e Barricelli, B. R. SmartFit: Lifelogging for teams of non-professional athletes. In: *Proc. of CoPDA 2016*. Vol. 1776. CEUR-WS, 2016, pp. 76–80.
- [30] Barricelli, B. R., Fischer, G., Mørch, A., Piccinno, A. e Valtolina, S. Cultures of participation in the digital age: Coping with information, participation, and collaboration overload. In: *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. Vol. 9083. Springer Verlag, 2015, pp. 271–275. ISBN: 9783319184241. doi: **10.1007/978-3-319-18425-8\_28**.
- [31] Barricelli, B. R. e Valtolina, S. A semiotic approach to EUD for the internet of things. In: *Proc. of CoPDA 2015*. Vol. 1641. CEUR-WS, 2015, pp. 45–51.
- [32] Barricelli, B. R. e Valtolina, S. Designing 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. 9083. Springer Verlag, 2015, pp. 9–24. ISBN: 9783319184241. doi: **10.1007/978-3-319-18425-8\_2**.
- [33] Barricelli, B. R. e Valtolina, S. Interaction Design for Stratigraphic Analysis in Archaeology. In: *Adj. Proc. of INTERACT 2015*. 2015, pp. 129–136.
- [34] Fuchsberger, V., Murer, M., Tscheligi, M., Abdelnour-Nocera, J., Campos, P., Gonçalves, F. e Barricelli, B. R. Human work interaction design (HWID): Design for challenging work environments. In: *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. Vol. 9299. Springer Verlag, 2015, pp. 659–660. ISBN: 9783319227221. doi: **10.1007/978-3-319-22723-8\_89**.
- [35] Valtolina, S. e Barricelli, B. R. End-User Empowerment in Lifelogging Activities. In: *International Reports on Socio-Informatics (RISI) - 12(2), Proc. of CHI 2005 Workshop on End User Development in the Internet of Things Era*. 2015, pp. 27–32.
- [36] Valtolina, S., Barricelli, B. R. e Mesiti, M. End-user centered events detection and management in the internet of things. In: *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. Vol. 9396. Springer Verlag, 2015, pp. 77–90. ISBN: 9783319247991. doi: **10.1007/978-3-319-24800-4\_7**.
- [37] Barricelli, B. R., Gheitasy, A., Mørch, A., Piccinno, A. e Valtolina, S. Culture of participation in the digital age: Social computing for learning, working, and living. In: *Proceedings of the Workshop on Advanced Visual Interfaces AVI*. Association for Computing Machinery, 2014, pp. 387–390. ISBN: 9781450327756. doi: **10.1145/2598153.2602223**.
- [38] Barricelli, B. R., Valtolina, S. e Gobbi, A. Towards Collaborative Decipherment of Non-Verbal Markings. In: *Proc. of CAA 2012*. 2014, pp. 15–20.
- [39] Abdelnour-Nocera, J., Clemmensen, T. e Barricelli, B. R. ICT Design and Evaluation for Trans-Mediated Workplaces: Towards a Common Framework in Human Work Interaction Design. In: *Proc. of INTERACT 2013 Workshop on Past History and Future Challenges of Human Work Interaction Design (HWID)*. 2013, pp. 10–15.
- [40] Barricelli, B. R., Devis, Y., Abdelnour-Nocera, J., Wilson, J. e Moore, J. MANTRA: Mobile anticoagulant therapy management. In: *Proceedings of the 2013 7th International Conference on Pervasive Computing Technologies for Healthcare and Workshops, PervasiveHealth 2013*. 2013, pp. 278–281. ISBN: 9781936968800. doi: **10.4108/icst.pervasivehealth.2013.252096**.
- [41] Valtolina, S., Barricelli, B. R., Gianni, G. B. e Bortolotto, S. ArchMatrix: Knowledge management and visual analytics for archaeologists. In: *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. Vol. 8018 LNCS. PART 3. 2013, pp. 258–266. ISBN: 9783642392252. doi: **10.1007/978-3-642-39226-9\_29**.
- [42] Barricelli, B. R., Valtolina, S. e Marzullo, M. ArchMatrix: A visual interactive system for graph-based knowledge exploration in archaeology. In: *Proceedings of the Workshop on Advanced Visual Interfaces AVI*. 2012, pp. 681–684. ISBN: 9781450312875. doi: **10.1145/2254556.2254684**.
- [43] Gianni, G. B., Marzullo, M., Valtolina, S., Barricelli, B. R., Bortolotto, S., Favino, P., Garzulino, A. e Simonelli, R. An ecosystem of tools and methods for archeological research. In: *Proceedings of the 2012 18th International Conference on Virtual Systems and*

- Multimedia, VSMM 2012: Virtual Systems in the Information Society*. 2012, pp. 133–140. ISBN: 9781467325653. DOI: **10 . 1109 / VSMM . 2012 . 6365917**.
- [44] Varesano, A., Barricelli, B. R. e Valtolina, S. Atmosphere Design for Mobile Interaction. In: *Mobile Science & Learning*. 2012, pp. 65–70.
- [45] Ardito, C., Barricelli, B. R., Buono, P., Costabile, M. F., Lanzilotti, R., Piccinno, A. e Valtolina, S. An ontology-based approach to product customization. In: *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. Vol. 6654 LNCS. 2011, pp. 92–106. ISBN: 9783642215292. DOI: **10 . 1007/978-3-642-21530-8\_9**.
- [46] Ardito, C., Barricelli, B. R., Buono, P., Costabile, M. F., Piccinno, A., Valtolina, S. e Zhu, L. Visual mediation mechanisms for collaborative design and development. In: *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. Vol. 6765 LNCS. PART 1. 2011, pp. 3–11. ISBN: 9783642216718. DOI: **10 . 1007/978-3-642-21672-5\_1**.
- [47] Barricelli, B. R. e Ressin, M. Supporting Global Design Through Data Mining and Localization. In: *Proc. of IMMM 2011*. 2011, pp. 138–142.
- [48] Weibert, A., Rekowsky, T. von, Barricelli, B. R. e Korn, M. Collaborative Project Work in Intercultural Computer Clubs. In: *Proc. of IC4E 2011*. 2011, pp. 28–31.
- [49] Zhu, L., Vaghi, I. e Barricelli, B. R. A meta-reflective wiki for collaborative design. In: *WikiSym 2011 Conference Proceedings - 7th Annual International Symposium on Wikis and Open Collaboration*. 2011, pp. 53–62. DOI: **10 . 1145/2038558 . 2038569**.
- [50] Zhu, L., Vaghi, I. e Barricelli, B. R. MikiWiki: A meta wiki architecture and prototype based on the hive-mind space model. In: *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. Vol. 6654 LNCS. 2011, pp. 343–348. ISBN: 9783642215292. DOI: **10 . 1007/978-3-642-21530-8\_37**.
- [51] Barricelli, B. R., Iacob, C. e Zhu, L. BANCO Web Architecture to Support Global Collaborative Interaction Design. In: *Proc. of IWIPS 2010*. 2010, pp. 159–162.
- [52] Barricelli, B. R., Mussio, P., Valtolina, S., Padula, M., Scala, P. L. e Piccinno, A. Visual workflow composition through semantic orchestration of web services. In: *International Conference on Advanced Visual Interfaces, AVI '10*. Vol. 2010-Janua. Association for Computing Machinery, 2010. DOI: **10 . 1145/1842993 . 1843079**.
- [53] Zhu, L., Iacob, C. e Barricelli, B. R. New design strategies: Using the Hive Mind Space model to enhance collaboration. In: *Proc. of the IADIS Int. Conf. Collaborative Technologies 2010, Proc. of the IADIS Int. Conf. Web Based Communities 2010, Part of the MCCSIS 2010*. 2010, pp. 12–19. ISBN: 9789728939212.
- [54] Zhu, L., Mussio, P. e Barricelli, B. R. Hive-Mind Space Model for Creative Collaborative Design. In: *Proc. of DESIRE 2010*. 2010, pp. 121–130.
- [55] Zhu, L., Mussio, P., Barricelli, B. R. e Iacob, C. A habitable space for supporting creative collaboration. In: *2010 International Symposium on Collaborative Technologies and Systems, CTS 2010*. 2010, pp. 617–622. ISBN: 9781424466191. DOI: **10 . 1109 / CTS . 2010 . 5478455**.
- [56] Barricelli, B. R., Padula, M. e Scala, P. L. Personalized web browsing experience. In: *20th ACM Conference on Hypertext and Hypermedia, HT'09*. 2009, pp. 345–346. ISBN: 9781605584867 (ISBN). DOI: **10 . 1145/1557914 . 1557981**.
- [57] Barricelli, B. R., Padula, M. e Scala, P. L. TMS for multimodal information processing. In: *20th International Workshop on Database and Expert Systems Applications, DEXA2009*. 2009, pp. 295–299. ISBN: 9780769537634. DOI: **10 . 1109/DEXA . 2009 . 34**.
- [58] Costabile, M. F., Mussio, P., Piccinno, A., Ardito, C., Barricelli, B. R. e Lanzilotti, R. End-user development in the medical domain. In: *15th International Conference on Distributed Multimedia Systems, DMS 2008*. Knowledge Systems Institute Graduate School, 2009, pp. 10–15. ISBN: 189170625X (ISBN).
- [59] Mussio, P., Valtolina, S., Barricelli, B. R., Bordegoni, M., Ferrise, F. e Ambrogio, M. Distributed knowledge creation, recording and improvement in collaborative design. In: *Studies in Computational Intelligence*. Vol. 226. 2009, pp. 31–41. ISBN: 9783642029363. DOI: **10 . 1007/978-3-642-02937-0\_4**.
- [60] Valtolina, S., Mussio, P. e Barricelli, B. R. User-Centered Knowledge Intensive Interactive System. In: *Proc. of itAIS 2009*. 2009, pp. 1–8.
- [61] Barricelli, B. R., Maiellaro, N., Padula, M. e Scala, P. L. A collaborative system for environment and tourism information authoring and Web publishing: An institutional case study. In: *3rd International Conference on Internet and Web Applications and Services, ICIW 2008*. 2008, pp. 279–282. ISBN: 9780769531632 (ISBN). DOI: **10 . 1109/ICIW . 2008 . 29**.
- [62] Barricelli, B. R., Maiellaro, N., Padula, M. e Scala, P. L. Strumenti Open Source per la Pubblicazione in Rete di Informazioni Turistiche Personalizzate. In: *Proc. of ASITA 2008*. 2008, pp. 287–292.
- [63] Barricelli, B. R., Marcante, A., Mussio, P., Provenza, L. P., Padula, M. e Scala, P. L. A design methodology for multimodal interactive systems: A pragmatical approach. In: *Proceedings - International Workshop on Database and Expert Systems Applications, DEXA*. Institute of Electrical e Electronics Engineers Inc., 2008, pp. 142–149. ISBN: 9780769532998. DOI: **10 . 1109/DEXA . 2008 . 62**.

## Conferences without Proceedings

- [1] Barricelli, B. R. *Socio-technical and collaborative design of pilot implementations of digital twins*. Workshop Pilot Implementation: Testing Human-Work Interaction Designs (Bari/Online - August 31, 2021). 2021.

- [2] Muñoz Martín, R., Barricelli, B. R., Denaro, G. e Fogli, D. *Monitoring the Wellbeing of Remote Workers*. HWID 2021 (Beijing/Online - May 15-16, 2021). 2021.
- [3] Barricelli, B. R., Rizzi, A., Valtolina, S. e Manfredini, C. *Computer-based ICF Management System for Supporting the Inclusion of Students with Special Needs in Non-Dedicated Classes*. HWID 2018 (Espoo - August 20-21, 2018). 2018.
- [4] Valtolina, S., Barricelli, B. R., Rizzi, A., Diani, M. e Medugno, M. *ICT-based Participative Education Methodology for ADHD Pupils*. Workshop Embracing Diversity with Help of Technology and Participatory Design (Troyes, France - June 27, 2017). 2017.
- [5] Valtolina, S., Barricelli, B. R., Rizzi, A., Diani, M. e Medugno, M. *Participatory Design and ICT for Fostering ADHD Students' Inclusion*. Workshop HCI and Education in a Changing World: from School to Public Engagement (Cagliari - September 18, 2017). 2017.
- [6] Valtolina, S., Barricelli, B. R., Gadia, D., Marzullo, M., Piazzini, C. e Garzulino, A. *Co-Design of a Cloud of Services for Archaeological Practice*. Pre-Conference Proc. IFIP TC13 WG6 Working Conference HWID 2015 (London - June 26, 2015). 2015.
- [7] Valtolina, S., Mesiti, M. e Barricelli, B. R. *User-Centered Recommendation Services in Internet of Things Era*. Workshop Cultures of Participation in the Digital Age - CoPDA 2014 (Como - May 27, 2014). 2014.
- [8] Valtolina, S., Barricelli, B. R. e Sciarabba, M. *Digital Cultural Heritage and Living Labs*. Workshop Cultures of Participation in the Digital Age - CoPDA 2013 (Copenhagen - June 6, 2013). 2013.
- [9] Barricelli, B. R., Valtolina, S. e Varesano, A. *Atmosphere Design and Evaluation in Creative Collaborative Projects*. Polish IA Summit 2012 (Warsaw - April 18-20, 2012). 2012.
- [10] Valtolina, S., Barricelli, B. R., De Angeli, A. e Battocchi, A. *Archaeology and Technology: Towards Collaborative Decipherment of Non-Verbal Markings*. Workshop Heritage Matters, CHI 2012 (Austin - May 6, 2012). 2012.
- [11] Ariano, F., Barricelli, B. R., Padula, M., Scala, P. L. e Valtolina, S. *EUD for Semantic Orchestration of Web Services in Workflow Management System*. Second EUD4Services Workshop (Torre Canne - June 7, 2011). 2011.
- [12] Barricelli, B. R. *Making all Voices Heard and Understood: a Web Architecture to Support Global Design Communities*. EAD09 (Porto - May 4-7, 2011). 2011.
- [13] Barricelli, B. R. *Software Localization to Gender and Culture: Fostering Female Participation and Creativity in the Web*. Feminism and Interaction Design Workshop - CHI 2011 (Vancouver - May 7-12, 2011). 2011.
- [14] Barricelli, B. R., Iacob, C. e Zhu, L. *Map-Based Wikis as Contextual and Cultural Mediators*. MobileHCI09 (Bonn - September 15-18, 2009). 2009.
- [15] Barricelli, B. R. e Padula, M. *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 - June 30, 2008). 2008.

## National Journals

- [1] Barricelli, B. R., Mussio, P. e Valtolina, S. Progetto DESIRE: Design Creativo per l'Innovazione nella Scienza e nella Tecnologia. *SISTEMA UNIVERSITÀ* 7 (22) (2010), pp. 4-5.
- [2] Barricelli, B. R., Maiellaro, N., Padula, M. e Scala, P. L. Dal GIS al WebGIS in Ambiente Open Source. *L'EDILIZIA* gennaio (2009), pp. 94-97.
- [3] Aliprandi, B., Barricelli, B. R., Padula, M., Re, A., Scala, P. L. e Sensolo, S. Applicazioni Informatiche per l'Innovazione di Processi/Prodotti della Costruzione. *L'EDILIZIA* gennaio (2008), pp. 48-53.
- [4] Aliprandi, B., Artese, M. T., Barricelli, B. R., Gagliardi, I., Padula, M., Pagliarulo, P., Scala, P. L., Sensolo, S. e Zuffi, S. Applicazioni Informatiche a Supporto dell'Innovazione di Processi/Prodotti della Costruzione. *L'EDILIZIA* gennaio (2007), pp. 46-50.

## Technical Reports

- [1] Barricelli, B. R., Iacob, C., Mussio, P. e Valtolina, S. *IM2L: A Meta-Language for Abstract Descriptions of Interactive Multimodal Systems*. Rapp. tecn. Università degli Studi di Milano, 2010, RT 33-10.
- [2] Barricelli, B. R., Iacob, C., Mussio, P. e Zhu, L. *Map-Based Wikis as Culture, Role, and Platform Mediators*. Rapp. tecn. Università degli Studi di Milano, 2010, RT 37-10.
- [3] Zhu, L., Mussio, P., Barricelli, B. R. e Iacob, C. *A Habitable Space for Supporting Creative Collaboration*. Rapp. tecn. Università degli Studi di Milano, 2010, RT 34-10.
- [4] Aliprandi, B., Barricelli, B. R. e Padula, M. *Shibboleth Service Provider on Debian Linux*. Rapp. tecn. Consiglio Nazionale delle Ricerche, 2006, ITC-CNR 004/01.
- [5] Barricelli, B. R., Cerovsek, T., Murn, D., Padula, M. e Scala, P. L. *CONNIE Intranode Localization*. Rapp. tecn. Consiglio Nazionale delle Ricerche, 2006, ITC-CNR 011/02.
- [6] Barricelli, B. R., Fresta, G., Marcante, A., Mussio, P., Padula, M. e Parasiliti Provenza, L. *Shapes, Colour and Geometry are Local: the Problem of Visual Localization*. Rapp. tecn. Consiglio Nazionale delle Ricerche, 2006, ITC-CNR 011/01.
- [7] Padula, M., Barricelli, B. R. e Scala, P. L. *CONNIE Personalization*. Rapp. tecn. Consiglio Nazionale delle Ricerche, 2006, ITC-CNR 003/01.
- [8] Barricelli, B. R., Fogli, D., Fresta, G., Marcante, A. e Padula, M. *Internationalization and Localization of Visual Interactive Systems*. Rapp. tecn. Consiglio Nazionale delle Ricerche, 2005, ITC-CNR 012/01.

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