

Andrea Mangiatordi

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23876, Monticello Brianza
Lecco (Italy)
- contacts** email: andrea.mangiatordi@gmail.com
mobile: +39 339 8264563
- Education**
- September 2007 - January 2011**
Ph.D. “Quality of Life in the Information Society”
Thesis title: *New Perspectives for Inclusion: Special Education meets One to One Computing*
<http://boa.unimib.it/handle/10281/20132>
University of Milano Bicocca, Italy
- October 2004 - March 2007**
Master’s Degree in Communication and Multimedia Publishing
Thesis title: *Designing a Software Communication Aid for a Person with Mobility Impairment*
University of Bergamo, Italy
- October 2001 - November 2004**
Bachelor’s Degree in Communication Sciences
Thesis title: *A Computational Approach to Schenkerian Analysis of Music*,
University of Bergamo, Italy
- Professional development**
- January 2017**
User Experience Certification
“UX Certification Program, specialization in Usability Research”
Nielsen Norman Group, Fremont, CA
- June - September 2013**
Professional Development course
“UDL101: An Introduction to Universal Design for Learning”
Center for Applied Special Technology (CAST), Wakefield, MA
- Research topics** My research interests are mainly focused on **ICT** as a means for fostering **social inclusion** and **social interaction**. Specifically, my research so far has focused on:
- **Universal Design** in education and the role of technology in creating inclusive (learning) environments: I am currently studying different instructional content creation models for the definition of practical paradigms for the implementation of technology at school in a way that is sensible to *differences* and to *variability* of learning;

- **web accessibility** and the inclusive potential of the Web: I am interested in how the World Wide Web can be a means to foster social inclusion; with this perspective in mind, in 2007 I started the development of an original web framework for enhancing the accessibility of websites, called “Farfalla project” (<http://farfalla-project.org>);
- **ICT4D** and the use of technology at school in developing countries; during my collaboration with the One Laptop Per Child project in Uruguay (<http://one.laptop.org>), I studied the inclusion of children with mobility impairment in mainstream classes where every child received a computer; my methodological approach was a mix of qualitative and quantitative techniques, following the Action Research paradigm;
- the use of **social media**, and the meanings related to it: since 2008 I have been participating in the activity of the Bicocca Observatory on New Media (<http://numediabios.eu>), studying the *media diet* of university students under both qualitative and quantitative perspectives; this also involved research about the use of new media in Education, TEL, eLearning and the development of Personal Learning Environments.

Publications

Journal Articles

Mangiatordi, A. (2016). Supporting the Introduction of Educational Technology in Inclusive Education Through Universal Design: a Paper Prototype Study. *Pedagogia Oggi*, 2, 113D125.

Mangiatordi, A., & Carubelli, V. (2016). Tecnologie Didattiche e Animatori Digitali: uno studio sulle priorità formative in un’ottica di qualità. *Annali Online della Didattica e della Formazione Docente*, 8(11), 163-175.

Mangiatordi, A. (2015). Rendere sostenibile la Progettazione Universale: risorse tecnologiche e didattica inclusiva. *Ricerche Pedagogiche*, 194, 18-25.

Mangiatordi, A. (2013). Contenuti digitali e variabilità dell’apprendimento, verso una progettazione universale. *Libri e riviste d’Italia*, 9(3-4), 39-46.

Aliprandi, S., & **Mangiatordi, A.** (2013). Content production and perception of copyright: an analysis of habits and beliefs of internet users. *European Journal of Law and Technology*, 4(3).

Ferri, P., Cavalli, N., **Mangiatordi, A.**, Micheli, M., Pozzali, A., Scenini, F., & Serenelli, F. (2013). Italian Undergraduates Join Facebook, but Keep a Critical Distance: “It is Useless, but I’m Using It” *International Journal of Digital Literacy and Digital Competence*, 4 (2), 13-24.
DOI: 10.4018/jdlc.2013040102

Mainardi, A., **Mangiatordi, A.**, Micheli, M., & Scenini, F. (2013). Gender differences in online consumption and content production among Italian

undergraduate students. *Rivista PIC-AIS - Cultura e Comunicazione*, 3(1), 39-53.

Mangiatordi, A. & Serenelli, F. (2013) Universal Design for Learning: a meta-analytic review of 80 abstracts from peer reviewed journals. *Research on Education and Media*, 5 (1), 109-118.

Cavalli, N., Ferri, P., **Mangiatordi, A.**, Pozzali, A., & Scenini, F. (2013). Il valore dell'eBook. *Scientific Research and Information Technology*, 3 (1), 13-24. DOI: 10.2423/i22394303v3n1p13

Garbo, R., **Mangiatordi, A.**, & Negri, S. (2012). A Computer Based Support to Guided Note Taking: A Preliminary Study on University Students with Dyslexia. *International Journal of Technology and Inclusive Education*, 1 (2), 52-59.

Cavalli, N., Ferri, P., **Mangiatordi, A.**, Pozzali, A., & Scenini, F. (2012). Dieta mediale degli studenti universitari: primi risultati di una ricerca quantitativa diacronica, *Scientific Research and Information Technology*, 2 (1), 21-42. DOI: 10.2423/i22394303v2n1p21

Mangiatordi, A. (2012). Inclusion of Mobility-Impaired Children in the One-to-One Computing Era: A Case Study. *Mind, Brain, and Education*, 6 (1): 54-62. DOI: 10.1111/j.1751-228X.2011.01133.x

Ferri, P., Cavalli, N., Costa, E., **Mangiatordi, A.**, Mizzella, S., Pozzali, A., & Scenini, F. (2010). Gli studenti universitari italiani e le nuove tecnologie digitali di comunicazione. *International Journal of Information Sciences for Decision Making*, 39 (1)
Available online at http://isdm.univ-tln.fr/PDF/isdm39/Article_Isdm_Ticemed09_Ferri-et-al_MP%20ok.pdf

Book Sections

Mangiatordi, A. (2015). Dare forma alle idee con Scratch. In M. Giusti, *Forme Azioni Suoni per il diritto all'educazione*, Guerini, Milano
ISBN: 978-88-8107-382-5

Mangiatordi, A. (2014). Using Universal Design for Learning Guidelines to Evaluate a Computer Assisted Note Taking Software Solution, in T. Di Mascio, R. Gennari, P. Vittorini, R. Vicari, & F. De la Prieta (Eds.), *Methodologies and Intelligent Systems for Technology Enhanced Learning* (Vol. 292, pp. 157-164). Springer.
DOI:10.1007/978-3-319-07698-0_20

Mangiatordi, A., (2012). OLPC: un computer per ogni bambino, in Giusti, M., Franchi, M., Gianoncelli, T., & Lugarini, A., *Forme Azioni Suoni per il Diritto all'educazione. I laboratori nella formazione degli insegnanti e degli*

educatori, Guerini, Milano
ISBN : 978-8-881-07342-9

Sbattella, L., Tedesco, R., Quattrini Li, A., Genovese, E., Corradini, M., Guaraldi, G., Garbo, R., **Mangiatordi, A.**, & Negri, S. (2012). The CATS Project, *Advanced Information Technology in Education*, Springer.
ISBN: 978-3-642-25907-4 DOI: 10.1007/978-3-642-25908-1_34

Mangiatordi, A., (2011). Hacia un entorno inclusivo. *Movimiento social para Ceibal – Miradas al contexto nacional e internacional de proyectos de un computador por niño*, UNESCO, Montevideo. Available online at <http://www.movilizacionsocial.net/>

Fornasa, W., & **Mangiatordi, A.** (2010). Un'altra scuola o una scuola altra? Note su scuola e pensiero digitale, in Fornasa, W., *Accad(d)e domani*. Spaggiari, Parma.

Mangiatordi, A., Acosta, M., & Castellano, R. (2010). *Lend Me Your Voice – A Constructivist Approach to Augmentative Communication. Organizational, Business, and Technological Aspects of the Knowledge Society* (pp. 289-294). Springer.
ISBN: 978-3-642-16323-4 DOI: 10.1007/978-3-642-16324-1_30

Ferri, P., **Mangiatordi, A.**, & Pozzali, A. (2010). Don't Break the Memory Line: Social Memory, Digital Storytelling and Local Communities. *Organizational, Business, and Technological Aspects of the Knowledge Society* (pp. 453-459). Springer.
ISBN: 978-3-642-16323-4 DOI: 10.1007/978-3-642-16324-1_54

Mangiatordi, A., & Pischetola, M. (2010). Sustainable Innovation Strategies in Education: OLPC Case Studies in Ethiopia and Uruguay. *Organizational, Business, and Technological Aspects of the Knowledge Society* (pp. 94-104). Springer.
ISBN: 978-3-642-16323-4 DOI: 10.1007/978-3-642-16324-1_11

Ferri, P., Cavalli, N., Costa, E., **Mangiatordi, A.**, Mizzella, S., Pozzali, A., & Scenini, F. (2009). Italian University Students and Digital Technologies: Some Results from a Field Research. *Best Practices for the Knowledge Society. Knowledge, Learning, Development and Technology for All* (pp. 357-365). Springer.
ISBN: 978-3-642-04756-5 DOI: 10.1007/978-3-642-04757-2_38

Mangiatordi, A., Dondi, R., & Fornasa, W. (2008). Moving Assistive Technology on the Web: The Farfalla Experience. *The Open Knowledge Society. A Computer Science and Information Systems Manifesto* (pp. 598-602). Springer.
ISBN: 978-3-540-87782-0 DOI: 10.1007/978-3-540-87783-7_76

Conference Proceedings

Mangiatordi, A., (In print). Using Universal Design for Learning guidelines to evaluate a computer assisted note taking software solution. *Proceedings of the 3rd International Workshop on Evidence Based and User centred Technology Enhanced Learning (EBUTEL)*. Trento, IT.

Sartorelli, S. & **Mangiatordi, A.**, (2013). “Le parole sono suoni”: un progetto sperimentale di didattica multimediale tra musica e poesia. *Proceedings of DIDAMATICA 2013*. Pisa, IT.

Cavalli, N., Ferri, P., Mainardi, A., **Mangiatordi, A.**, Micheli, M., Pozzali, A. & Scenini, F. (2013). How do Italian University students see and use Facebook: is it private, public, or both? *Proceedings of “MIT8 - Public Media, Private Media” Conference*. Boston, MA.

Mangiatordi, A. & Serenelli, F., (2013). Universal Design for Learning - a meta-analytic review of research evidence. *Proceedings of the 2013 ATEE Winter Conference*. Genoa, IT.

Garbo, R., **Mangiatordi, A.**, & Negri, S. (2012). Disability Services addressing Learning Disabilities: taking students’ voices into account. *Proceedings of the Ireland International Conference on Education (IICE2012)*. Dublin, IE.

Serenelli, F., Ruggeri, E., & **Mangiatordi, A.** (2012). How to teach science in 1to1 primary schools. An experimental study about learning objects efficacy in critical contexts. *Proceedings of the European Conference on e-Learning (ECEL-2012)*. Groningen, NL.

Serenelli, F., Ruggeri, E., **Mangiatordi, A.**, & Ferri, P.M. (2011). Applying Multimedia Learning Theory in Primary School - An Experimental Study about learning Settings using Digital Science Contents. *Proceedings of the European Conference on e-Learning (ECEL-2011)*. Brighton, UK.
ISBN: 978-1-908272-22-5

Mangiatordi, A., & Garbo, R. (2011) Inclusion of a motor impaired child in a technology-enhanced mainstream class: a case study. *Proceedings of the London International Conference on Education (LICE2011)* (pp. 350-353). London, UK.
ISBN: 978-1-908320-03-2

Cavalli, N., Costa, E. I., Ferri, P., **Mangiatordi, A.**, Micheli, M., Pozzali, A., Scenini, F., et al. (2011). Facebook influence on university students’ media habits: qualitative results from a field research. *Proceedings of “MIT7 - Unstable Platforms” Conference*. Boston, MA. Available online at: <http://boa.cilea.it/handle/10281/23493>

Mangiatordi, A., & Singh Sareen, H. (2011). Farfalla project: browser-based accessibility solutions. *Proceedings of the International Cross-Disciplinary Conference on Web Accessibility - W4A '11*. New York, New York, USA:

ACM Press.
DOI: 10.1145/1969289.1969317

Mangiatordi, A., & Dondi, R. (2010). Farfalla: a step toward an inclusive web. *Proceedings of the 3rd International Conference on Software Development for Enhancing Accessibility and Fighting Info-exclusion (DSAI2010)* (pp. 87-93). Oxford, UK.

Serenelli, F., & **Mangiatordi, A.** (2010). The “One Laptop Per Child” XO laptop as a PLE. A cognitive artifact beyond hardware and software. *Proceedings of the PLE conference 2010*. Barcelona, Spain.
Available online at http://pleconference.citilab.eu/cas/wp-content/uploads/2010/06/ple2010_submission_71.pdf

Mangiatordi, A., & Ferri, P. (2010). Disabled Children and XO Laptop: Integration and Inclusion Patterns inside the CEIBAL Plan in Uruguay. *Proceedings of the Canada International Conference on Education (CICE2010)* (pp. 461-464). Toronto, Canada.
ISBN: 978-0-9564263-2-1

Cavalli, N., Costa, E., Ferri, P., **Mangiatordi, A.**, Pozzali, A., Scenini, F., & Paganoni, J. (2009). How do University Students Approach Digital Technologies: Empirical Results and Theoretical Considerations. *Proceedings of ‘MIT6 - Stone and Papyrus, Storage and Transmission’ Conference*. Boston, MA.
Available online at <http://web.mit.edu/comm-forum/mit6/papers/cavalli.pdf>

Mentions and Awards

Innovation Grant 2015 from the University of Milano Bicocca for the Farfalla Project (<http://farfalla-project.org/>)

Best Poster at European Conference on E-Learning 2012 (ECEL2012) for the paper:

Serenelli, F., Ruggeri, E. & **Mangiatordi, A.** (2012). How to teach science in 1 to 1 primary schools. An experimental study about learning objects efficacy in critical contexts. *Proceedings of the European Conference on e-Learning (ECEL-2012)*. Groningen, NL.
<http://academic-conferences.org/ecel/ecel2012/ecel12-home.htm>

Best PhD Paper at European Conference on E-Learning 2011 (ECEL2011) for the paper:

Serenelli, F., Ruggeri, E., **Mangiatordi, A.**, & Ferri, P.M. (2011). Applying Multimedia Learning Theory in Primary School - An Experimental Study about learning Settings using Digital Science Contents. *Proceedings of the European Conference on e-Learning (ECEL-2011)*. Brighton, UK.
<http://academic-conferences.org/ecel/ecel2011/ecel11-home.htm>

Honorable Mention of the Federal Communications Commission (FCC) *Chairman's Awards for Advancement in Accessibility*, Washington, D.C., October 2011 for the Farfalla Project (<http://farfalla-project.org/>)

Winner of the FCC Challenge *Lifted by the Cloud - Visions of Cloud-Enhanced Accessibility* (<http://challenge.gov/FCC/82>), October 2011 for the Farfalla Project (<http://farfalla-project.org/>)

First Prize as Mentor for the *Software Design* category and Second Prize for the *Software Design Accessibility* category at India's Microsoft Imagine Cup 2011 (IC2011)

Judges Award, *Microsoft Accessibility Challenge* at W4A2011 Conference, Hyderabad, India, March 2011 for the paper:
Mangiatordi, A., & Singh Sareen, H. (2011). Farfalla project: browser-based accessibility solutions. *Proceedings of the International Cross-Disciplinary Conference on Web Accessibility - W4A '11*. New York, New York, USA: ACM Press.
DOI:10.1145/1969289.1969317

Teaching and Tutoring Experience

Academic Year 2013/2014

Laboratory Teacher of **Educational Technology**, University of Milano Bicocca, Department of Human Sciences for Education "R. Massa" - PAS (Teacher preparation) course, April-July 2014

Laboratory Teacher of **Basic Computer Science**, University of Bergamo, Faculty of Foreign Languages, October-December 2013

Academic Year 2012/2013

Teacher of **Educational Technology** in the postgraduate course "Didattica e Psicopedagogia per i Disturbi Specifici dell'Apprendimento", Department of Human Sciences for Education "R. Massa", March 2014

Tutor for the **Inclusive Education** course, Department of Human Sciences for Education "R. Massa", April-September 2013

Laboratory Teacher of **Basic Computer Science**, University of Bergamo, Faculty of Foreign Languages, October-December 2012

Academic Year 2011/2012

Teacher of **Educational Technology** in the postgraduate course "Didattica e Psicopedagogia per i Disturbi Specifici dell'Apprendimento", Department of Human Sciences for Education "R. Massa", December 2012

Tutor for the **Inclusive Education** course, Department of Human Sciences for Education "R. Massa", April-September 2012

Laboratory Teacher of **Basic Computer Science**, University of Bergamo,
Faculty of Foreign Languages, October-December 2011

Academic Year 2010/2011

Tutor for the **Inclusive Education** course, Department of Human Sciences
for Education "R. Massa", April-September 2011

Laboratory Teacher of **Basic Computer Science**, University of Bergamo,
Faculty of Foreign Languages, October-December 2010

Academic year 2009/2010

Tutor for the **Educational Technology** course, University of Milano Bicocca, Department of Human Sciences for Education “R. Massa”, July-September 2010

Laboratory Teacher of **Basic Computer Science**, University of Bergamo, Faculty of Foreign Languages, October-December 2009

Academic year 2008/2009

Laboratory Teacher of **Basic Computer Science**, University of Bergamo, Faculty of Foreign Languages, October-December 2008

Tutor for the **Educational Technology**, University of Milano Bicocca, Department of Human Sciences for Education “R. Massa”, July-September 2009

Academic year 2007/2008

Tutor for the *Assistive Technology* module at the Master Course “Metodi e tecniche per l’E-Tutor della scuola”, Università Cattolica del Sacro Cuore, Milano, March-May 2008

Tutor of the **Educational Technology** course, University of Milano Bicocca, Department of Human Sciences for Education “R. Massa”, June-September 2008

Participation in conferences (beyond papers)

Invited speech: Universal Design for Learning: from Guidelines to Practice. *Technology Enhanced Learning at Free University of Bozen*, Bozen, 20th June 2013

Organization and steering committee: *Giornate di dialogo dei dottorandi 2013 (Doctoral Consortium 2013)*, University of Milano Bicocca, Department of Human Sciences for Education “R. Massa”, Milano, 24th May 2013

Workshop: Applicazione del modello Universal Design for Learning nella formazione degli insegnanti. *Secondo Convegno Nazionale Integrazione e Inclusione Scolastica*, Free University of Bozen, Bozen, 13th April 2013

Organization and steering committee: *Giornate di dialogo dei dottorandi 2012 (Doctoral Consortium 2012)*, University of Milano Bicocca, Department of Human Sciences for Education “R. Massa”, Milano, 4th-5th June 2012

Invited speech: Mendeley: un gestore di conoscenza ubiquo (Mendeley: an ubiquitous knowledge management system). *XXVIth GIDIF-RBM Workshop: Dalla “mobile library” al copyright nell’era delle Apps e dei Social Network*, Milano, 23rd November 2011

Workshop: Accessibility and the cloud: building an inclusive environment on the Web. Department of Computer Science, Systems and Communication (DISCO), University of Milano Bicocca, Milano, 13th October 2011

Invited speech: Inclusion of mobility impaired children in the one-to-one computing era: a case study, *Sixth Course of the International School on Mind, Brain and Education*, E. Majorana Foundation, Erice, 6th August 2011

Workshop and Organization: Sugar, il computer con il bambino al centro (Sugar, the computer with the child at the center). *Digital Learning - Scuola, Apprendimento e Tecnologie Didattiche*, Milano, 19th November 2010

Workshop: Are Italian university students on their way to developing their PLEs? *The PLE conference*, Barcelona, 9th July 2010

Invited speech: OLPC and Special Schools - Towards an inclusive environment. *International Conference on 1-to-1 computing in Education*, IDB, Wien, 23rd February 2010

Workshop: Un computer per ogni bambino (One computer per child). *Il diritto di essere bambini*, Triennale Design Museum, Milano, 6th November 2009

Invited speech: Percorsi di integrazione e di inclusione nel contesto del plan CEIBAL in Uruguay (Integration and inclusion paths in the CEIBAL context, Uruguay). *Evolutive Ecology Lab*, Education Department, University of Bergamo, 1st October 2009

Invited speech: OLPC: il progetto, le potenzialità (OLPC: The project, the potential). *'I' come Innovazione, Invenzione e Inclusione. Competenze chiave e creatività: l'apprendimento permanente per il 21° secolo*, SERMIG, Torino, 29th September 2009

Invited speech: XO laptop y discapacidad - una experiencia de trabajo con niños integrados en escuelas publicas comunes de Montevideo (XO laptop and Disability - a working experience with children integrated in public schools in Montevideo). *Foro de Innovación de las Américas*, Montevideo, 26th May 2009

Invited speech: Tecnologie Assistive - dal Desktop al Web, verso la Didattica (Assistive Technology - from Desktop to Web, towards Teaching). Department of Education, University of Salento, Lecce, 13th January 2009

Organization: Forme e paradossi della democrazia digitale: protesi cognitive, social networking, blogosfera e wikiscienza (Forms and paradoxes of Digital Democracy: cognitive prostheses, social networking, blogosphere and wiki-knowledge). *Democrazia e Conoscenza*, Milano, 10th October 2008

Invited speech: Snack culture? La dieta mediale digitale degli universitari milanesi (Snack culture? The digital diet of university students in Milan). *Tech it Easy*, Milano, 6th November 2008

Invited speech: Evoluzioni dell'era digitale (Evolutions of the Digital Era). *Evolutionary Ecology Lab*, Education Department, University of Bergamo, 16th February 2008

- Other activities**
- Mendeley Reference Management Software (<http://www.mendeley.com/>) - Advisor (2013-present)
 - Bergamo Linux Users Group (<http://bglug.it>) - Member of the Oversight Board (2007-2014)
 - ceibalJAM! (<http://ceibaljam.org/>) - Member, Designer (2009-2010)
 - Farfalla Project (Open Source Software, <http://farfalla-project.org>) - Developer (2007-present)
 - BrigX Linux Users Group - President (2015-present)