

# CURRICULUM VITAE

## Mazza Riccardo

---

April - 2019

### PERSONAL DETAILS

---

<i>Name</i>	Mazza Riccardo
<i>Birth</i>	October 5 <sup>th</sup> , 1969, - Italy
<i>Nationality</i>	Italian - Swiss
<i>URL</i>	<a href="http://web.dti.supsi.ch/~mazza/">http://web.dti.supsi.ch/~mazza/</a>
<i>Email</i>	<a href="mailto:ricc.mazza@gmail.com">ricc.mazza@gmail.com</a>

### EDUCATION

---

2004	<b>Ph.D. in Communication Sciences</b> , Università della Svizzera Italiana in Lugano, Switzerland. Title of the dissertation: “ <i>Using Information Visualisation to Facilitate Instructors in Web-based Distance Education</i> ”. Supervisor of the research work: Prof. Marco Colombetti. Advisor: Dr. Vania Dimitrova, Leeds. Final mark: <i>Magna cum laude</i> The research proposed the use of Information Visualisation to graphically represent students' tracking data in a Web-based Course Management Systems. A systematic investigation was undertaken to find which visualisation techniques are appropriate to illustrate students tracking data, based on instructors' requirements and evaluation. A tool (CourseVis) was implemented, this tool uses Information Visualization techniques that take student tracking data collected by CMS and generates graphical representations that can be used by instructors to gain an understanding of what is happening in distance learning classes.
1997	<b>Postgraduate specialisation in Information Technology</b> , at CEFRIEL Consortium of Politecnico of Milan. Final mark: 100/100. <ul style="list-style-type: none"><li>• Development of a multimedia database application in Oracle</li><li>• Attended several courses on programming languages, software engineering, multimedia applications</li><li>• Working on the field of computer vision and image pattern recognition.</li></ul>
1997	<b>Bachelor and Master Degree in Computer Science</b> , University of Pisa, Italy. Thesis title: “ <i>A system for hand gesture recognition</i> ”. Final mark: 103/110. The degree-programme included one year entirely dedicated to a research-based final project, spent at the Centro CEFRIEL of Politecnico of Milan. Thesis was about the development of a vision-based hand-gesture recognition system for static hand gesture images based on shapes and orientations of hand which is extracted from input video stream recorded in stable lighting and simple background conditions
1988	<b>High School Diploma</b> , Liceo scientifico “Leonardo” in Giarre (CT), Italy.

### CURRENT EMPLOYMENT

---

<i>Since 1999</i>	<b>Senior Lecturer and Researcher</b> at University of Applied Sciences of Southern Switzerland (Scuola universitaria professionale della Svizzera italiana, SUPSI-DTI) in Manno (Switzerland), department of innovative technologies, institute for Information System and Networking. 0.8 FTE. <a href="http://www.supsi.ch/isin_en">http://www.supsi.ch/isin_en</a> <ul style="list-style-type: none"><li>• Lecturer in Computer Graphics</li></ul>
-------------------	---

<i>Since 2004</i>	<ul style="list-style-type: none"> <li>• Researcher in eLearning, Information Visualisazion, Information Systems</li> </ul> <p><b>Researcher and project manager</b> at Università della Svizzera Italiana in Lugano, eLearningLab (University competence center dealing with design, development and delivery of e-Learning services). 0.2 FTE.  <a href="http://www.elearninglab.org">http://www.elearninglab.org</a></p>
-------------------	---

## PREVIOUS APPOINTMENTS

<i>2004 – 2007</i>	<b>PostDoc researcher, teaching assistant, lecturer</b> at Università della Svizzera Italiana in Lugano, faculty of Informatics (USI-INF) and Communication Sciences (USI-COM) <a href="http://www.usi.ch">http://www.usi.ch</a>
<i>2002 – 2003</i>	<b>Visiting researcher</b> at University of Leeds (UK). School of Computing, Informatics Research Institute. 6 months.
<i>1997 – 1999</i>	<b>Researcher</b> at Centro CEFRIEL of Milano (Italy), with activities in the following fields: developing applications for the Web, PUSH Technologies, tutoring IT master students.
<i>2001 – 2013</i>	<b>Founder and software developer</b> at Telos Internet Solutions SAGL, Lugano (Switzerland) - Startup working in the fields of eLearning and Web communications.
<i>1996 - 1999</i>	<b>Web Developer and consultant</b> , part time freelancer.

## AWARDS

<i>2004</i>	<b>Best Alternate Tracks Paper Award</b> . 13 <sup>th</sup> International World Wide Web Conference (WWW 2004). New York May 17-22.
<i>1998</i>	<b>“1<sup>st</sup> Silicon-Cray Award”</b> , supported by Silicon Graphics Italia & Cray Research. Special mention for the work with title: "Un sistema per il riconoscimento di comandi gestuali".

## PROFESSIONAL TRAINING

<i>2015</i>	<b>University Teaching 101</b> . 6 week online non-credit course run by Johns Hopkins University and offered through Coursera. Certificate available at: <a href="https://www.coursera.org/account/accomplishments/certificate/5XRUZWUVH9">https://www.coursera.org/account/accomplishments/certificate/5XRUZWUVH9</a>
-------------	---

## FOREIGN LANGUAGES

<b>English</b>	Reading & writing: Higher Intermediate (European C1 level) conversation: Intermediate (European B2 level)
----------------	--

## TEACHING RECORD

<i>2007-present</i>	<b>Computer Graphics</b> , teacher, 4 ECTS, Bachelor in Computer Sciences, SUPSI-DTI
<i>2004-2011</i>	<b>Information Visualisation</b> , teacher, 3 ECTS, Master of Science in Technology for Human communication, USI-COM.
<i>2011</i>	<b>Web programming</b> , teacher, postgraduate course, executive master, SUPSI-DTI
<i>2011</i>	<b>Fundamentals of graphics and video compression algorithms</b> teacher, postgraduate course, executive master, SUPSI-DTI
<i>2003-2004</i>	<b>Programming languages</b> , teacher, 5 ECTS, Bachelor in Computer Sciences, SUPSI-

## RESEARCH PROJECTS

### Università della Svizzera italiana (since 1997):

- **Swiss edu-ID Mobile App**  
*Funding:* Swissuniversities, programme: SUC P-2 “Scientific information: access, processing and safeguarding”  
*Role:* Project manager and researcher at the University of Lugano  
*Duration:* Jan. 2016 – Dec. 2017.
- **MOCLog – Monitoring Online Courses with Logfiles**  
*Funding:* AAA/SWITCH – e-infrastructure for e- science” programme under the leadership of SWITCH, the Swiss National Research and Education Network, supported by funds from State Secretariat for Education and Research (SER).  
*Role:* Collaborator, expert in visual representations.  
*Duration:* Jan. 2011 – June. 2012.
- **GRAPPLE: Generic Responsive Adaptive Personalized Learning Environment.**  
*Funding:* European Union, programme FP7-IST (Strep)  
*Role:* Coordinator at the University of Lugano and Work Package leader.  
*Duration:* Feb. 2008 – Jan. 2011.
- **Moodle notifications.**  
*Funding:* AAA/SWITCH – e-infrastructure for e- science” programme under the leadership of SWITCH, the Swiss National Research and Education Network, supported by funds from State Secretariat for Education and Research (SER).  
*Role:* Project leader.  
*Duration:* ago. 2010 – dic. 2010.
- **GISMO: a Graphical Interactive Student Monitoring System for Moodle.**  
*Funding:* AAA/SWITCH – e-infrastructure for e- science” programme under the leadership of SWITCH, the Swiss National Research and Education Network, supported by funds from State Secretariat for Education and Research (SER).  
*Role:* Project leader.  
*Duration:* giu. 2009 – apr. 2010.
- **Moodle SMS Gateway, A SMS gateway for the Moodle Learning Management System.**  
*Funding:* AAA/SWITCH – e-infrastructure for e- science” programme under the leadership of SWITCH, the Swiss National Research and Education Network, supported by funds from State Secretariat for Education and Research (SER).  
*Role:* Project leader.  
*Duration:* sett. 2008 – dic. 2008.
- **Viz.ch (An E-learning Course on Visual Literacy for Communication, Engineering and Business)**  
*Funding:* Swiss University Conference for the national programme “Swiss Virtual Campus”.  
*Role:* Instructional designer and content creator.  
*Duration:* Jan. 2006 – Dec. 2007.
- **The Fundamental Programming Modules Online Course**  
*Funding:* Swiss University Conference for the national programme “Swiss Virtual Campus”.  
*Role:* Instructional designer and content creator.  
*Duration:* Jan. 2006 – Dec. 2007.
- **PENG (Personalised News content programming)**  
*Funding:* European Union FP6-IST (Strep)  
*Role:* collaborator.  
*Duration:* Oct. 04 – Sept. 06.

- **EDUKALIBRE (Libre Software Methods for E-Education)**

*Funding:* European Union Minerva.

*Role:* coordinator at the University of Lugano.

*Duration:* Oct. 2003 – Dec. 05.

- **Swisscast**

*Funding:* Swiss National Research Foundation.

*Head of the project:* prof. Maurizio Decina.

*Role:* technical developer.

*Duration:* Sep. 97 – Aug. 99.

### **Scuola Universitaria Professionale della Svizzera italiana (Since 1999):**

- **Swiss Mooc Service**

*Funding:* Swissuniversities.

*Role:* Collaborator, expert in Educational Technologies.

*Duration:* Jan. 2018 - Jun. 2020.

- **Behavioural Simulator for Professional Training based on Natural Language Interaction (LifeLike)**

*Funding:* Swiss National Confederation's innovation promotion agency (CTI).

*Role:* Project leader

*Duration:* Sept. 2016 - Apr. 2018.

- **FliSCo: Flipped classroom come approccio per lo sviluppo di competenze**

*Funding:* SUPSI (Internal project)

*Role:* Researcher expert in eLearning and flipped classroom

*Duration:* Sept. 2016 - Dec. 2017.

- **Delivering E Learning Accreditation to Reduce Occupational Stress in Employment (DE LA ROSE)**

*Funding:* European Union, Lifelong Learning Programme, Leonardo da Vinci - Transfer of Innovation.

*Role:* Collaborator, expert in the field of Information Technologies for Education

*Duration:* Oct. 2014 - Sept. 2016.

- **An infrastructure for a location and context based recommendation system (GEOREC)**

*Funding:* FFHS (Internal project)

*Role:* Project leader

*Duration:* Sept. 2014 - Dec. 2015.

- **OmniProfiler**

*Funding:* Swiss National Confederation's innovation promotion agency (CTI).

*Role:* Collaborator.

*Duration:* Mar. 2014 – Jan. 2016

- **Psychometric Recommendation Engine (PRE) for multimedia service platforms**

*Funding:* Swiss National Confederation's innovation promotion agency (CTI).

*Role:* Collaborator.

*Duration:* Mar. 2014 – Sep. 2015

- **Ondigita** – a tool for the management and delivery of digital documents

*Funding:* SUPSI internal project.

*Role:* Project leader.

*Duration:* June. 2012 – May. 2013

- **Skill profiler - competence management of soft skills**

*Funding:* AAA/SWITCH – "e-infrastructure for e- science" programme under the leadership of

SWITCH, the Swiss National Research and Education Network, supported by funds from the Federal Office for Professional Education and Technology (OPET).

*Role:* Collaborator, coordinated the design and the development of the skill profiler tool.

*Duration:* Jan. 2012 - Dec. 2012.

- **Moodle Offline**

*Funding:* AAA/SWITCH – e-infrastructure for e- science” programme under the leadership of SWITCH, the Swiss National Research and Education Network, supported by funds from the Federal Office for Professional Education and Technology (OPET).

*Role:* Project manager.

*Duration:* Aug. 2011 - Mar. 2012.

- **Lifelong Learning Transfer: Strategy Development & Competence Management**

*Funding:* AAA/SWITCH – e-infrastructure for e-science” programme under the leadership of SWITCH, the Swiss National Research and Education Network, supported by funds from Federal Office for Professional Education and Technology (OPET).

*Role:* Collaborator, responsible for technical aspects.

*Duration:* Jan. 2011 – Feb. 2012.

- **Stagend.com:** un social network che mette in relazione gli attori della scena musicale indipendente (bands, locali, eventi live e fans) e semplifica le interazioni, la comunicazione, la messa in contatto e la gestione dei rapporti nel mercato musicale.

*Funding:* Swiss National Confederation’s innovation promotion agency (CTI).

*Role:* Project manager.

*Duration:* settembre. 2010 – febbraio 2012

- **IRCS Water**, Sistema software intelligente di Indicizzazione, Ricerca e Consultazione Semantica.

*Funding:* Swiss National Confederation’s innovation promotion agency (CTI).

*Role:* Collaborator.

*Duration:* June. 2008 – Dec. 2009.

- **MACS (continuous education modules)**

*Funding:* Swiss University Conference for the national programme “Swiss Virtual Campus”.

*Role:* Instructional designer and teacher of the on-line course “Java programming”.

*Duration:* Oct. 2000 – Sept. 2003.

- **SWISSLING (A Swiss Network of Linguistics Courseware)**

*Funding:* Swiss University Conference for the national programme “Swiss Virtual Campus”.

*Role:* Coordinator at SUPSI and technical responsible.

*Duration:* Oct. 2000 – Dec. 2003.

## PROFESSIONAL ACTIVITIES

### Organising Committee Member

- IEEE International Conference on Advanced Learning Technologies - ICALT - Track 7. Big Data in Education and Learning Analytics. Editions: 2016 (BDELA@ICALT2016), 2015 ((BDELA@ICALT2015), 2014 ((BDELA@ICALT2014)
- Workshop on Free and Open Source Learning Environments and Tools (FOSLET06), Como (Italy), June 10<sup>th</sup>, 2006. <http://www.elab.usilu.net/FOSLET06>.
- 4th international conference on new educational environments, Lugano, Switzerland, May 2002

### Reviewing activities for international journals and editors

- Information visualization Journal, SAGE, 2012
- IEEE’s Transactions on Learning Technologies, 2008, 2010, 2015
- Journal of Educational Technology & Society, 2007, 2008, 2009, 2010, 2011, 2012, 2014, 2015.
- ACM Transactions on Interactive Intelligent Systems (TiiS), 2011.
- IEEE Computer Graphics and Applications, 2011
- IEEE Transaction on industrial informatics, 2011

- International Journal of Bio-Inspired Computation (IJBIC), 2011
- Springer Verlag, reviewer of a book proposal, 2010
- IEEE Transactions on Visualization and Computer Graphics, 2010
- International Journal of Artificial Intelligence in Education, 2006.
- International Journal “Studies in Communication Sciences”, 2005.
- Journal of Universal Computer Science, 2009

### Programme committee and reviewing activities for international conferences

- LAK - International Learning Analytics and Knowledge conference. Editions: 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011
- ITS - International Conference on Intelligent Tutoring Systems. Editions: 2019, 2018, 2014, 2012, 2010
- EDM - International Conference on Educational Data Mining. Editions: 2015, 2013, 2012
- ICALT2014 - The 14th IEEE International Conference on Advanced Learning Technologies - Adaptive and Personalised Technology-Enhanced Learning (APTeL@ICALT2014)
- IV - International Conference on Information Visualisation. Editions: 2012, 2009, 2008, 2007, 2006
- EDM2011: Fourth International Conference on Educational Data Mining. Eindhoven, the Netherlands. July 6-8, 2011. <http://educationaldatamining.org/EDM2011/>
- DAH'11: International Workshop on Dynamic and Adaptive Hypertext: Generic Frameworks, Approaches and Techniques. A workshop of the ACM Hypertext 2011 Conference. Eindhoven, June 6-9, 2011. <http://www.ht2011.org>
- VISWEEK2011 - 22nd IEEE Visualization Conference, 23 - 28 OCTOBER, 2011 PROVIDENCE, RHODE ISLAND, USA. <http://visweek.org/>
- CISIS-2011-International Conference on Complex, Intelligent, and Software Intensive Systems, June 30th - July 2nd, 2011 at Korean Bible University (KBU), Seoul, South Korea. (Programme committee member). <http://www.takilab.org/conf/cisis/2011/>.
- LMS-ALE-09. 1<sup>st</sup> Workshop "Learning Management Systems meet Adaptive Learning Environments", European Conference on Technology-Enhanced Learning (EC-TEL'2009), September 29, 2009. Nice, France.
- DAH'09: International Workshop on Dynamic and Adaptive Hypertext: Generic Frameworks, Approaches and Techniques. Workshop of The ACM Hypertext 2009 Conference. <http://www.win.tue.nl/~mpechen/conf/dah09/>. (Programme committee member)
- The 14<sup>th</sup> International Conference on Artificial Intelligence in Education (AIED2009), July, 8<sup>th</sup> – 10<sup>th</sup>, Brighton, UK. <http://www.aied2009.com> (Programme committee member)
- Workshop on Visual Data Mining, part of Modelling, Computation and Optimization in Information Systems and Management Sciences (MCO'08), September 8-10, 2008, Metz, France, <http://www.lita.univ-metz.fr/~mco08>.
- SAC-IAR 2007: ACM Symposium on Applied Computing - Track on Information Access and Retrieval. <http://www.cis.strath.ac.uk/external/SAC2007>.
- Seventh International Conference on Flexible Query Answering Systems, 7th - 10th June 2006, Milano, Italy
- Informing Science + Information Technology Education Joint Conference InSITE, 2006. June 25-28, 2006 Greater Manchester, England
- SAC-IAR 2005: 20th Symposium on Applied Computing. Special track on Information access and retrieval. (<http://www.cis.strath.ac.uk/external/SAC2005/>).

### PhD defence jury

- External examiner for the examination of doctoral degree in Computer Science at School of Computer Science, Trinity College, Dublin (Ireland): John McAuley, *Using visualisation to support Reflective Community Design*. April 2014.

- External examiner for the examination of doctoral degree in Computer Science at School of Computer Science, Trinity College, Dublin (Ireland): Cormac Hampson, *An expert-supported approach to data exploration*. September 2011.
- External examiner for the examination of doctoral degree in Information Technology at the National Institute of Applied Sciences (INSA) of Lyon (France): Madeth MAY, *Using Tracking Data as Reflexive Tools to Support Tutors and Learners in Distance Learning Situations: an Application to Computer-Mediated Communications*. 4th of December 2009.

### **Reviewer for funding agencies**

- **EU Eureka Eurostars** - expert on evaluating project applications. Years: 2015, 2016, 2017, 2018

### **Invited talks**

- Monitoring Distance Education Students with the GISMO tool. Jornada Técnica sobre Software Libre y Educación. Univesitat Rey Juan Carlos, campus de Móstoles. 2 Dicembre, 2005.
- Software Libero e modelli Open Content nella didattica. Open Source Software 2005, International Symposium. Padova 14-16 Aprile 2005
- Formazione continua e classe virtuale: l'apprendimento di un linguaggio di programmazione tramite tecnologie di formazione a distanza. Conferenza eLearning, tra mito e realta. Conferenza della Svizzera italiana per la formazione continua degli adulti (CFC) e associazione svizzera mantello della formazione continua degli adulti (FSEA), giornata di studio. Lugano, 23 Novembre 2004.

### **RESEARCH INTEREST**

- Information Visualization
- Student modeling and external graphical representations in distance education

# PUBLICATIONS

## Mazza Riccardo

---

### Books:

- B2. Riccardo Mazza. *Introduction to Information Visualization*. 2009. Springer-Verlag London. ISBN: 978-1-84800-218-0. DOI: 10.1007/978-1-84800-219-7. URL: <http://www.springer.com/computer/user+interfaces/book/978-1-84800-218-0>
- B1. Riccardo Mazza. *La rappresentazione grafica delle informazioni*. Apogeo Editore, Milan (2007). ISBN: 978-88-503-1043-2. URL: <http://www.apogeeonline.com/libri/88-503-1043-9/scheda>. Companion Website: <http://www.riccardomazza.it/infovis/ebook>.

### Books Chapters (with peer review) :

- C4. Luca Mazzola, Riccardo Mazza. Moodle e la verifica dell'uso delle risorse. In: Matteo Baldoni, Cristina Baroglio, Sandro Coriasco, Marina Marchisio, Sergio Rabellino (eds). *E-learning con Moodle in Italia: una sfida tra passato, presente e futuro*. Seneca Edizioni (2011). ISBN 978-88-6122-269-4.
- C3. Riccardo Mazza. Visualization in Educational Environments. In: Cristobal Romero, Sebastian Ventura, Mykola Pechenizkiy, Ryan Baker (eds). *Handbook of Educational Data Mining*. CRC Press (2010). pp. 9-26. ISBN: 978-1-4398-0457-5. DOI: 10.1201/b10274. URL: <http://www.crcnetbase.com/doi/book/10.1201/b10274>.
- C2. Dominique Brodbeck, Riccardo Mazza and Denis Lalanne. Interactive Visualization - A Survey. In: Lalanne, Denis; Kohlas, Jürg (Eds.). *Human Machine Interaction, Research Results of the MMI Program*. Springer-Verlag, Berlin (2009), LNCS 5440, pp. 27-46. ISBN: 978-3-642-00436-0.
- C1. Riccardo Mazza, Luca Botturi, Stefano Tardini. L'introduzione, l'adattamento e l'estensione di Moodle nelle università della Svizzera italiana. In Giuliana Franceschinis & Davide Porporato (eds), *Modelli e tecnologie della formazione in rete*. Edizioni Mercurio, Vercelli (2007), pp. 275-286. ISBN 978-88-95522-09-8.

### Edited Proceedings:

- E1. Luca Botturi, Riccardo Mazza and Stefano Tardini (editors). FOSLET 2006. Proceedings of the workshop on Free and Open Source Learning Environments and Tool, held in conjunction with the second international conference on Open Source Systems – OSS 2006. June 8-10 2006, Como, Italy.
- E2. Luis de-la-Fuente-Valentín, Daniel Burgos, Riccardo Mazza (editors). IJIMAI 2014 - Special Issue on Multisensor User Tracking and Analytics to Improve Education and other Application Fields - Vol. 2 Issue 7. ISSN: 1989-1660. <http://www.ijimai.org/journal/node/679>.

### Papers in Refereed Journals:



- J9. Cathal Ryan, Michael Bergin, Sylvia Titze, Wolfgang Ruf, Stefan Kunz, Riccardo Mazza, Trudie Chalder, Sula Windgassen, Dianne Cooney Miner, John S. G. Wells. Managing the Process of International Collaboration in Online Course Development: A Case-Example Involving Higher Education Institutions in Ireland, Switzerland, Austria, and the United Kingdom. *Innovative Higher Education* (2017) Volume 42, Issue 5–6, pp 451–462. Springer Netherlands. <https://doi.org/10.1007/s10755-017-9399-6>. ISSN 0742-5627
- J8. Riccardo Mazza, Stefan Kunz, Cathal Ryan, John Wells. *DELAROSE : e-learning con crediti formativi per gestire lo stress lavorativo*. TD Tecnologie Didattiche, Vol. 24, n. 1, p. 61-64, July 2016. ISSN 2499-4324.
- J7. Riccardo Mazza. Monitoring Students in Course Management Systems: From Tracking Data to Insightful Visualizations. *SCOMS - Studies in Communication Sciences, Special Issue The Communication Sciences as a Multidisciplinary Enterprise*. Vol.6, Num.2. December 2006. pp. 305-312. Università della Svizzera Italiana. ISSN 1424-4896
- J6. Riccardo Mazza, Luca Botturi. Monitoring an Online Course with the GISMO Tool: A Case Study. *Journal of Interactive Learning Research*. Vol. 18 N. 2 (2007). pp. 251-265. Chesapeake, VA: AACE. ISSN: 1093-023X
- J5. Riccardo Mazza, Vania Dimitrova. CourseVis: A Graphical Student Monitoring Tool for Facilitating Instructors in Web-Based Distance Courses. *International Journal in Human-Computer Studies (IJHCS)*. Vol. 65, N. 2 (2007). pp. 125-139. Elsevier Ltd. ISSN: 1071-5819
- J4. Riccardo Mazza. An information visualization approach to textual variants. In: “The Evolution of Texts: Confronting stemmatological and Genetical Methods, Proceedings of the International Workshop held in Louvain-la-Neuve on September 1-2, 2004, edited by C. Macé, P. Baret, A. Bozzi, L. Cignoni”. *Linguistica Computazionale*, volumes XXIV-XXV, 2006. Istituti Editoriali e Poligrafici Internazionali, Pisa-Roma. pp. 127-139. ISBN: 88-8147-435-2. ISSN: 0392-6907.
- J3. C. Macé, C. Peersman, R. Mazza, J. Noret, M. Van Mulken, E. Wattel, P. Canettieri, V. Loreto, A.-C. Lantin, Ph.V. Baret, P. Robinson, H. Windram, M. Spencer, C. Howe, M. Albu, and A. Dress. Testing methods on an artificially created textual tradition. In: “The Evolution of Texts: Confronting stemmatological and Genetical Methods, Proceedings of the International Workshop held in Louvain-la-Neuve on September 1-2, 2004, edited by C. Macé, P. Baret, A. Bozzi, L. Cignoni”. *Linguistica Computazionale*, volumes XXIV-XXV, 2006. Istituti Editoriali e Poligrafici Internazionali, Pisa-Roma. pp. 255-283. ISBN: 88-8147-435-2. ISSN: 0392-6907.
- J2. Riccardo Mazza. Using open student models in distance learning environments to help teachers provide adaptive tutoring. *SCOMS - Studies in Communication Sciences, Special Issue New Media in Education*. Vol. 3, Num.3. March 2003. pp. 245-251. Università della Svizzera Italiana. ISSN 1424-4896
- J1. Benedetto Lepori, Lorenzo Cantoni, Riccardo Mazza. The history and practice of push communication: some critical reflections. *SCOMS - Studies in Communication Sciences*. Vol. 2 Num. 1 Jan 2001. pp. 149 – 164. Università della Svizzera Italiana. ISSN 1424-4896

#### **Papers in Published Conference Proceedings:**

- P24: Giulio Tavarnesi, Andrea Laus, Riccardo Mazza, Luca Ambrosini, Nadia Catenazzi, Salvatore Vanini, Don Tuggener. Learning with Virtual Patients in Medical Education. In: *Vania Dimitrova, Sambit Praharaj, Mikhail Fominykh, Hendrik Drachslers (eds). EC-TEL Practitioner Proceedings 2018: 13th European Conference On Technology Enhanced Learning. Leeds, UK, September 3-6, 2018.* CEUR Workshop Proceedings, vol. 2193. 2018. <http://ceur-ws.org>. ISSN: 1613-0073.
- P23. R. Mazza, L. Ambrosini, N. Catenazzi, S. Vanini, D. Tuggener, G. Tavarnesi. Behavioural simulator for professional training based on natural language interaction. *Proceedings of the 10th International Conference on Education and New Learning Technologies (EDULEARN18). 2nd-4th July, 2018. Palma, Mallorca, SPAIN.* pp. 3204-3214. IATED. 2018 ISBN: 978-84-09-02709-5. ISSN: 2340-1117. <http://dx.doi.org/10.21125/edulearn>.
- P22. Riccardo Mazza, Andrea Baldassari, Roberto Guidi. Ondigita: a platform for the management and delivery of digital documents. In: *Inmaculada Arnedillo Sánchez and Pedro Isaías. (2013). Proceedings of the international conference mobile learning 2013. Lisbon, Portugal, March 14-16, 2013.* IADIS Press. 2013. ISBN: 978-972-8939-81-6
- P21. Riccardo Mazza, Marco Bettoni, Marco Faré, Luca Mazzola. MOCLog – Monitoring Online Courses with log data. In: *In Retalis, S., and Dougiamas, M. (2012). 1st Moodle Research Conference Proceedings, Heraklion, Greece, Sept. 14-15, 2012.* pp. 132-139. ISBN: 978-960-98516-2-6
- P20. Mazzola Luca, Mazza Riccardo. GVIS: A Facility for Adaptively Mashing Up and Representing Open Learner Models. In: *Martin Wolpers, Paul A. Kirschner, Maren Scheffel, Stefanie Lindstaedt and Vania Dimitrova (eds.). Sustaining TEL: From Innovation to Learning and Practice. 5th European Conference on Technology Enhanced Learning, EC-TEL 2010, Barcelona, Spain, September 28 - October 1, 2010.* Springer-Verlag, Berlin. LNCS 6383, 2010. pp. 554-559. ISBN: 978-3-642-16019-6. (poster paper).
- P19. Mazzola Luca, Mazza Riccardo. Un sistema per il monitoraggio per il supporto delle attività di studenti e docenti: un test case. In: *Atti del convegno italiano MoodleMoot 2010 - Bari , Italia.* Wip Edizioni, 2010. ISBN 978-88-8459-162-3.
- P18. Mazzola Luca, Nidola Mauro, Milani Christian, Mazza Riccardo. L'aggiornamento del tool di monitoraggio delle attività degli studenti: GISMO 2.0. In: *Atti del convegno italiano MoodleMoot 2010 - Bari , Italia.* Wip Edizioni, 2010. ISBN 978-88-8459-162-3.
- P17. Mazzola Luca, Eynard Davide, Mazza Riccardo. GVIS: a framework for graphical mashups of heterogeneous sources to support data interpretation. In: *3rd Conference on Human System Interactions, 2010. HSI '10.* Ed: IEEE. pp. 578-584. ISBN: 978-1-4244-7560-5. <http://dx.doi.org/10.1109/HSI.2010.5514511>.
- P16. Luca Mazzola, Riccardo Mazza. GVIS: an integrating infrastructure for adaptively mashing up user data from different sources. In: *Proceedings of the 14<sup>th</sup> IEEE International Conference on Information Visualisation.* London. 26-29 July 2009. pp. 68-72. IEEE, 2010. ISBN: 978-0-7695-4165-5. <http://doi.ieeecomputersociety.org/10.1109/IV.2010.19>.
- P15. Luca Mazzola, Riccardo Mazza: An infrastructure for creating graphical indicators of the learner profile by mashing up different sources. In: *Proceedings of the International Conference on Advanced Visual Interfaces (AVI 2010)* 26-28 May 2010. pp. 329-332. ACM New York, NY, USA (2010). ISBN:978-1-4503-0076-6. <http://portal.acm.org/citation.cfm?doid=1842993.1843053>. (poster paper).

- P14. Luca Mazzola, Riccardo Mazza. Supporting Learners in Adaptive Learning Environments through the Enhancement of the Student Model. In: *Julie A. Jacko (ed.), Human-Computer Interaction. Interacting in Various Application Domains, 13th International Conference, HCI International 2009*, San Diego, CA, USA, July 19-24, 2009, Proceedings, Part IV. Springer, 2009. pp. 166-175. ISBN: 978-3-642-02582-2. [http://dx.doi.org/10.1007/978-3-642-02583-9\\_19](http://dx.doi.org/10.1007/978-3-642-02583-9_19).
- P13. Luca Mazzola, Riccardo Mazza. Toward Adaptive Presentations of Student Models in eLearning Environments. In: *Vania Dimitrova, Riichiro Mizoguchi, Benedict du Boulay, Art Graesser (eds.). Artificial Intelligence in Education: Building Learnin Systems that Care: From Knowledge Representation to Affective Modelling*, Proceedings of the 14th International Conference on Artificial Intelligence in Education, AIED 2009, July 6-10, 2009, Brighton, UK. pp. 761-762. IOS Press, 2009. ISBN: 978-1-60750-028-5. <http://dx.doi.org/10.3233/978-1-60750-028-5-761>
- P12. Nadia Catenazzi, Lorenzo Sommaruga, Riccardo Mazza. User-friendly ontology editing and visualization tools: the OWLeasyViz approach. In: *Proceedings of the 13<sup>th</sup> IEEE International Conference on Information Visualisation*. Barcellona, Spain. 14-17 July 2009. pp. 283-288. IEEE, 2009. ISBN: 978-0-7695-3733-7. <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5190858&isnumber=5190765>.
- P11. Riccardo Mazza. The Integrated eBook - the Convergence of eBook, Companion Web Site, and eLearning. In: *Proceeding of the 2008 ACM workshop on Research advances in large digital book repositories*. Napa Valley, California, USA, October 30 - 30, 2008, in conjunction with ACM 17th Conference on Information and Knowledge Management (CIKM 2008). pp. 1-4. ACM Press. New York, NY, USA. ISBN:978-1-60558-249-8. <http://doi.acm.org/10.1145/1458412.1458414>
- P10. Riccardo Mazza, Alessandra Berrè. Focus Group Methodology for Evaluating Information Visualization Techniques and Tools. In: *Proceedings of the 11<sup>th</sup> IEEE International Conference on Information Visualisation*. Zurich 2-7 July 2007. pp. 74-80. IEEE. ISBN: 0-7695-2900-3. <http://doi.ieeecomputersociety.org/10.1109/IV.2007.51>.
- P9. Riccardo Mazza. Evaluating Information Visualization Applications with Focus Groups: the CourseVis experience. *BELIV'06 - BEyond time and errors: novel evaLuation methods for Information Visualization*. A workshop of the AVI 2006 International Working Conference on Advanced visual interfaces. Venice May 23, 2006. ACM Press New York, NY, USA. ISBN:1-59593-562-2. URL: <http://portal.acm.org/toc.cfm?id=1168149>
- P8. Riccardo Mazza. A graphical tool for monitoring the usage of modules in Course Management Systems. In: *Pierre P Levy, Benedicte Le Grand, Francois Poulet, Michel Soto, Laszlo Darago, Laurent Toubiana, Jean-Francois Vibert (editors), Pixelization Paradigm. Proceedings of VIEW2006*. Paris, France - Apr. 24-25, 2006. Springer-Verlag, Berlin. LNCS 4370. pp. 164-172. 2007. ISBN: 978-3-540-71026-4. URL: [http://dx.doi.org/10.1007/978-3-540-71027-1\\_14](http://dx.doi.org/10.1007/978-3-540-71027-1_14)
- P7. Jesús M. González Barahona, Diego Chaparro, Vania Dimitrova, Chris Tebb, and Riccardo Mazza. Producing educational resources in the “libre way”: the edukalibre project. In: *Pedro Isaias and Miguel Baptista Nunes (editors), Proceedings of the IADIS international conference www/internet 2005*. Lisbon, Portugal. 19-22 October 2005. pp. 69 – 76. IADIS Press. ISBN: 972-8924-02-X.
- P6. Riccardo Mazza, Vania Dimitrova. Generation of Graphical Representations of Student Tracking Data in Course Management Systems. In: *Proceedings of the 9<sup>th</sup> IEEE International Conference on Information Visualisation*. London 6-8 July 2005. pp. 253-258. IEEE, 2005. ISBN 0-7695-2397-8.

- P5. Riccardo Mazza, Vania Dimitrova. Visualising Student Tracking Data to Support Instructors in Web-Based Distance Education. In: *13<sup>th</sup> International World Wide Web Conference (WWW 2004) - Educational Track*. New York 2004 May 17-22. pp. 154 - 161. **Best Alternate Tracks Paper Award**. ACM, 2004. ISBN 1-58113-912-8. <http://dl.acm.org/citation.cfm?doid=1013367.1013393>
- P4. Riccardo Mazza, Vania Dimitrova. CourseVis: Externalising Student Information to Facilitate Instructors in Distance Learning. In: *U.Hoppe, F. Verdejo, J. Kay (eds.) Proceedings of the International conference in Artificial Intelligence in Education. Sydney July 20-24, 2003. (AIED 2003)*. IOS press. pp. 279-286. 2003. ISBN 0922-6389
- P3. Riccardo Mazza, Vania Dimitrova. Informing The Design of a Course Data Visualisator: an Empirical Study. In: *5<sup>th</sup> International Conference on New Educational Environments. Lucerne 26-28 May. (ICNEE 2003)*. pp. 215 – 220. Sauerländer Verlage AG, Bern. 2003. ISBN 3-0345-0096-3
- P2. Riccardo Mazza. Diagnosing The State Of The Student's Knowledge In a Web-Based Learning Environment. In: *4<sup>th</sup> International Conference on New Educational Environments Lugano (ICNEE 2002)*. 2002 May 8-11. pp. (3.1) 15-18. Sauerländer Verlage AG, Bern. 2002. ISBN 3-0345-0031-9
- P1. Federico Flueckiger, Riccardo Mazza. Open Distance Learning at Southern Switzerland Universities. In: *EUNIS 2001 - 7<sup>th</sup> International Conference of European University Information Systems, Berlin, Humboldt-University*. March 28-30, 2001. ISBN

#### **Papers in Referred Conference Proceedings:**

- R9. Christian Glahn, Riccardo Mazza. Integrating Native Mobile Apps into Institutional Educational-technology Ecosystems. In D. Parsons, R. Power, A. Palalas, H. Hambroek & K. MacCallum (Eds.), *Proceedings of World Conference on Mobile and Contextual Learning*, 2018 (pp. 77-83).
- R8. Riccardo Mazza, Christian Milani. Exploring Usage Analysis in Learning Systems: Gaining Insights From Visualisations. *Workshop on Usage analysis in learning systems. 12<sup>th</sup> International Conference on Artificial Intelligence in Education (AIED 2005)*. Amsterdam, The Netherlands. 18 July 2005. pp. 65-72.
- R7. Riccardo Mazza, Christian Milani. GISMO: a Graphical Interactive Student Monitoring Tool for Course Management Systems. In: *T.E.L. '04 Technology Enhanced Learning '04 International Conference*. Milan, 18-19 November 2004.
- R6. Riccardo Mazza. Diagnosing The State Of The Student's Knowledge In a Web-Based Learning Environment. In: *International Conference on Intelligent Tutoring Systems, Young Researchers Track*. Biarritz, June 5-7, 2002, pp. 29-31
- R5. Riccardo Mazza, Federico Flueckiger, Carlo Lepori, Lorenzo Cantoni, Osvaldo Arrigo. Open Distance Education at Southern Switzerland University of Applied Sciences: Some Results and Reflections. In: *Book of abstracts of ONLINE EDUCA BERLIN, 7<sup>th</sup> International conference on technology supported learning & training*. Berlin, November 28-30 2001.
- R4. Riccardo Mazza, Federico Flueckiger, Carlo Lepori, Lorenzo Cantoni, Osvaldo Arrigo. L'utilizzo di tecnologie di comunicazione mediate dal computer per la didattica di un linguaggio di programmazione: alcuni risultati e considerazioni. In: *Giornate Svizzere della Formazione Professionale, Lugano, book of abstracts*. 8-10 November 2001

- R3. Riccardo Mazza. Formazione continua e classe virtuale: l'apprendimento del linguaggio Java tramite tecnologie di formazione a distanza. In: *XXXIX Congresso annuale AICA, Tecnologie, Innovazione e Società*. Como 19-21 September 2001. pp. 19-27
- R2. Riccardo Mazza, Roberto Gaspari, Davide Tam. Un sistema per la gestione di riferimenti bibliografici con schede di catalogazione in XML. In: *Primo workshop Italiano XML e Conoscenza, ACM Italian Chapter - Special Interest Group on Applied Computing*. Crema, 29-30 June 2001.
- R1. Maurizio Decina, Lorenzo Cantoni, Benedetto Lepori, Riccardo Mazza, Paolo Jannuzzi. The SwissCast information push service, a multidisciplinary research, a multifaceted experience. In: *ACM SIGIR'99 Workshop on Customised Information Delivery*. August 19, 1999. Berkeley, California.

#### Posters in conferences

- PS2. Riccardo Mazza, Salvatore Vanini, Nicola Rizzo, Nadia Catenazzi, Giulio Tavarnesi, Stefano Fumagalli, Don Tuggener, Manfred Klenner. Weighted word overlap and word embeddings: A practical ensemble approach to Question Matching in a Dialogue Simulator. *SwissText 2017 2nd Swiss Text Analytics Conference. Wintertur*. June 9, 2017.
- PS1. Riccardo Mazza. Monitoring Students Activities in Course Management Systems with CourseVis. *ED-MEDIA 2004 - World Conference on Education Multimedia, Hypermedia & Telecommunications*. Lugano, June 21-26, 2004.

#### Technical reports (unpublished)

- TR4. B. Lepori, L. Cantoni, P. Jannuzzi, R. Mazza, S. Tardini. L'applicazione Swisscast nel campo della ricerca scientifica. Technical report, *Università della Svizzera Italiana*, Aprile 2000
- TR3. L. Cantoni, P. Jannuzzi, B. Lepori, R. Mazza. Delivering Relevant Information to Interested Users, philosophy, system architecture & technical realisation of the SwissCast push service. Technical report. *Università della Svizzera Italiana*, Maggio 1999.
- TR2. L. Cantoni, N. Dal Degan, B. Lepori, R. Mazza, F. Scaroni. Push on the Net: between Market & Technology. Technical report, *Università della Svizzera Italiana*, Giugno 1998
- TR1. Riccardo Mazza. Integrazione di una base dati per l'archiviazione e il reperimento di dati in MIMA. Intermediate technical report, *Centro Cefriel, Milano*. Febbraio 1996

#### Unpublished dissertations:

Riccardo Mazza. Using Information Visualisation to Facilitate Instructors in Web-based Distance Learning. Ph.D. dissertation. University of Lugano, May 2004.

Riccardo Mazza. Un sistema per il riconoscimento di comandi gestuali realizzato mediante tecniche di visione. Postgraduate specialization thesis. Centro Cefriel, Milano. 1997

Riccardo Mazza. Un sistema per il riconoscimento di comandi gestuali. Undergraduate thesis. University of Pisa. 1997