Curriculum Vitae et Studiorum
Tania Di Mascio

1 Personal information

Date and place of birth	:	October, 18 1976, Pescina (AQ)-Italy
Address(es)	:	via Massa d'Albe 14/M, 67051 - Avezzano (AQ)-Italy
Order of the Engineer ID No.	:	002231
AICA ID No.	:	7 / 30695
Telephone(off.)	:	+39 0862 - 434409
Fax (off.)	:	+39 0862 - 434403
Cellular phone	:	+39 349 - 3137223
E-mail	:	tania.dimascio@univaq.it
	:	tania.dimascio@gmail.com
Certified e-mail address	:	tania.dimascio@ingpec.eu
Social (Skype, FB, Twitter, IG)	:	tania.dimascio

2 Professional Positions

Current Position

- *January 2020 - today*: Assistant Professor (Ricercatrice Tempo Determinato ai sensi dell'art. 24, comma 3, lettera b - RTD-B) at the Department of Engineering Computer Science and Mathematics of University of L'Aquila.

Previous Positions

- *October 2018 - December 2019*: Senior post-doc grant at Centre of Eccelence "Design Methodologies of Embedded controllers, Wireless interconnect and Systems-on-chip" – DEWS, University of L'Aquila, within the H2020-ECSEL-2017-2-RIA-two-stage project named FitOptiVis - From the cloud to the edge - smart IntegraTion and OPtimization Technologies for highly efficient Image and VIdeo processing Systems.

- *March 2014 - July 2018*: Research fellow at the Department of Engineering Computer Science and Mathematics, University of L'Aquila; project title: "Studio di metodologie di progetto innovative dedicate ai sistemi avanzati di apprendimento".

- *January 2014- March 2014*: Invited Professor for the Master "Internet of Things", course of Interaction Design at Bioinformatics, Intelligent Systems and Educational Technology (BISITE) laboratory, Universidad de Salamanca (Spain).

- *July 2011 - January 2014*: Assistant Professor (Ricercatrice Tempo Determinato tipo A - RTD-A) at the Department of Engineering Computer Science and Mathematics of University of L'Aquila.

- *September 2010 - July 2011*: Post-doc grant at the Department of Electrical and Information Engineering of University of L'Aquila within the FP7 TERENCE project (An Adaptive Learning System for Reasoning about Stories with Poor Comprehenders and their Educators).

- *April 2008 - July 2010*: Research fellow at National Research Council, "Laboratory for Enterprise Knowledge and Systems (LEKS)" – Istituto di Analisi dei Sistemi ed Informatica "A. Ruberti"; project title "Design and development of platforms for ontology building".

- *January 2008 - March 2008*: Post-doc grant at Fondazione Bruno Kessler FBK - Istituto per la ricerca scientifica e tecnologica, within the regional project "POR Abruzzo obiettivo 3".

- *July 2007 - December 2007*: Research collaboration at Accademia Europea di Bolzano, within the eLIS (Dizionario elettronico di base bilingue Lingua Italiana dei Segni Italiano) project, funded by the "Fondo Sociale Europeo".

- *January 2007 - June 2007*: Research collaboration at Free University of Bozen – Bolzano within the LODE (LOgic-based web tool for DEaf children) project, funded by the MIUR.

- *January 2004 - December 2006*: PhD student at the Department of Electrical and Information Engineering of University of L'Aquila.

- *May 2002 - April 2005*: Research collaboration at the Department of Computer Science and Systems University of Rome, "La Sapienza" within the FP5 SEWASIE (SEmantic Web and AgentS in Integrated Economies) project.

- *April 2001 - March 2002*: Stageuse at "DigitalVideo s.r.l", Rome, Italy.

Leaves:

- *From February 07, 2016 to July 07, 2016*: maternity leave (Italian Decree-Law 1204/1971);

- *From January 05, 2010 to June 05, 2010*: maternity leave (Italian Decree-Law 1204/1971).

3 Education and Qualifications

- *July 2018.* National Scientific Qualification (Abilitazione Scientifica Nazionale - ASN). Public Announcement D.D. 1532/2016, Examination Section: 09/H1 - Information and elaboration systems - Session V. Expiry date July, 26th 2024.

- *January 2004 - December 2006.* PhD in Electric and Information Engineering, University of L'Aquila (Italy). Thesis title: "Multimedia Retrieval Systems: from the Content-based approach to the Semantics-based approach".

- *June 2006.* PhD Summer School in "Multimedia digital libraries Machine learning and cross-modal technologies for access and retrieval".

- *July 2002.* Engineer Professional Qualification - Area A.

- *March 2002.* Masters Degree Electronic Engineering (Computer Science) at University of L'Aquila (Italy), final mark 110/110. Thesis title: "Un motore di ricerca visuale per DataBase di immagini vettoriali".

- *July 1995.* High school Diploma, Liceo Scientifico Statale V. Pollione, Avezzano (AQ) (Italy), final mark 52/60.

- *Language Skills.* Table 1 below reports language skills with respect to the EU standard (*https://europass.cedefop.europa.eu/it/resources/european-language-levels-cefr*).

	Comprehension	Speech	Written
English	C1	B2	B2
French	C1	B1	B1
Spanish	C2	C2	C2

Table 1: Foreign Languages.

4 Scientific Research

I'm author and co-author of more than 100 international and national scientific peer-reviewed papers(the list of publications is reported in Section 7).My scientific production counts 269 citations and 10 as Hirsch index (source Scopus), 540 citations and 12 as Hirsch index (source Google Scholar),last access October 8, 2020 .

4.1 Scientific Research Results

My research focuses on four main research area, intertwined around a main one: the Human Computer Interaction (HCI). Further fields of interest: Technology Enhanced Learning (TEL), Knowledge Management (KM), and Multimedia Retrieval Systems (MRS).

4.1.1 Human Computer Interaction

HCI is one of the largest scientific research area due to its multidisciplinary nature. It contains, among others, cognitive sciences, psychology, ergonomic science and computer science. In [18] there is evidence that the *focus of the HCI is on the user* and that HCI deals with user centered design methodologies [35, 61, 94]. My personal contribute to HCI is especially dedicated to Interaction Design and Information Visualization.

Interaction Design. Interaction design deals with the design activities between human and machines, in particular from the methodological viewpoint [2, 11, 15]. I also studied innovative methodologies dedicated to deaf people, in particular [64, 65, 69, **?**] and to fragile users in general [**?**, 41, 99]. Other papers have been dedicated to Visual Design interfaces [75, 109], and usability studies [9, 43, 73, 84, 86, 108, 111].

Information Visualization. Information Visualization deals with the efficient techniques for data visualization; this task becomes more complex over time, due to the increasing quantity of Internet data and in general to the different nature of data [101]. In this context, I studied geographic maps visualization techniques [19], *querying visualization methodologies* [73, 80, 85], and data visualization (1) in emergency situations [93, 98] and (2) in work overload [103]. Moreover, I reported on the problem of visualization temporal event "á la Allen" [6, 7, 45, 70, 71, 95]. Finally, I studied the visualization of ontologies [79, 90, 91].

4.1.2 Technology Enhanced Learning

My interest in Technology Enhanced Learning (TEL) stemmed from the e-LIS and LODE projects, and it increases in the TERENCE project. The aspects I dealt with are mainly methodological [48, 49]; on the other hand, I am also interested in the usability evaluation design aspects [46, 47]. In [1] TEL systems were analysed in the specific case of deaf users, while in [8] TEL systems have been used as silent reading support for children.

Graphical User Interface Design. To design graphical user interfaces it is mandatory to have an in-depth knowledge about the involved users, as described in [63]. In this context, my main results could be found in national conferences [**?**, 102, 62], TEL international conferences [38, **?**, 54, 55, 57, 58, 60], and journals [12, 14].

Evaluation. To evaluate a TEL system it is necessary to evaluate its efficacy from the psycho-pedagogical viewpoint and its SW usability, as well as the final user satisfaction. I have explored these aspects and disseminated them across the TEL community [42, 10, 12, 13, **?**, 50, 52, 53, 56, 97].

4.1.3 Knowledge Management

Nowadays, the knowledge management of (big) data is a challenge. My first contribution in this direction is reported in [77], where data are represented by water leakage. I also drew attention on the knowledge management of Disaster Management Systems (DMS), as in the EagleVox project [104]. Currently, I'm dealing with (1) temporal data extracted by embedded systems architectures [36, 39] and open-answer questions [**?**, **?**, 41].

Ontology Management. When, in COmputer Science, the knowledge is represented by ontologies, it is crucial to support users in their social building: in [66, 68, 105, 110] the SOBE (Social Ontology Building and Enrichment) is reported. In that case, the ontology management is supported by the OPAL (Object, Process, Actor, Language) conceptual schema [110].

Business Process Modeling Management In managing the OPAL conceptual schema, I also investigated the possibility to define ontologies via business processes. The Business Process Modeling Notation (BPMN) has been then destructured and re-defined via OPAL schemas, as described in [76, 106].

4.1.4 Multimedia Retrieval System

Multimedia Retrieval Systems (MRS) efficiently extract data (e.g., text) from multimedia; *Image Retrieval Systems* [16] deal with images, *Text Retrieval Systems* [88] deal with text, and *Multimedia Retrieval Systems* [17] deal with a combination of information [37]. If the retrieval technique is based on "primitive" feature of information, the MRS is a *Content-based* one; differently, it is a *Semantics-based* one if the used technique for retrieving information is based on semantic information.

Content-based Image Retrieval Systems for Vector Images. Content-based Image Retrieval (CBIR) systems for raster images are quite famous instead of CBIR systems for vector images; in [89], there is one of these systems, validated within the 2D cartoon production. Thinking on cartoonist I refined that CBIR building a prototype allowing the *querying by sketch* and also offering the possibility for the *querying by example* [87]. In [85, 108] the retrieval techniques have been improved in precision and recall and in [16, 81], the system is finally re-engineered obtaining VISTO (Vector Image Search TOol).

Semantics-based Text Retrieval Systems for the Semantic Web. The Semantic Web is the Web enriched by the semantics of informtion. In the SEWASIE project, I worked on a Query

Tool (QT) [91] dedicated to the information retrieval. The idea was to support users in building a *conjunctive query* [90], showing the main retrieved results [88].

Semantics-based Multimedia Retrieval Systems for Semantic Dictionaries. I dealt with this type of MRSs within the e-LIS project [17], I developed a *visual querying interface*, to support users in building the LIS sign to be retrieved and translated in the Italian language [78]. This system is a Semantics-based Multimedia Retrieval one, since it retrieves information from an archive of multimedia LIS data composed of images, videos and text [72]. A LIS sign has been realized, de facto, as an ontology [109, 83], mainly composed of its mainly characteristics: configuration, orientation, location and movement [107, 78].

4.2 Scientific Collaborations

- *March 2016 – today.* Scientific collaboration with the Dipartimento di Ingegneria Informatica, Automatica e Gestionale, University of Roma "La Sapienza"(DIAG). This National and INTERNATIONAL collaboration produced several scientific papers and led to the "International Symposium on Learning Analytics" organized in Salerno (Italy) in July 2018 and in Paris (France) in July 2019.

- *February 2016 – today.* Scientific collaboration, as co-founder, with TetaLab (Technology Enhanced Treatment for Asd Lab). The TetaLab is a multimedia research laboratory of the University of L'Aquila based on the cooperation among: Dipartimento di Scienze Cliniche Applicate e Biotecnologiche (DISCAB), Department of Engineering Computer Science and Mathematics (DISIM), and Centro Regionale di Riferimento per l'Autismo dell'Abruzzo (CRRA). Researchers are dealing with studies on ICT for assessment and treatment of Autism Spectrum Disorder. This NATIONAL collaboration produced several scientific papers and led to a project focuses on Applicazioni innovative di Realtà Virtuale e Aumentata per persone con una condizione dello spettro autistico (ASC)" – CIG 7151860D90.

- *January 2014 – today.* Scientific collaboration with the "Bioinformatics, Intelligent Systems and Educational Technology (BISITE)" laboratory, Universidad de Salamanca (Spain). This laboratory deals with intelligent applications, Technology Enhanced Learning, Emotional Systems, IoT, Industry 4.0, Smart Cities, Smart Grids, Disaster Management Systems e E-Healtcare. In particular, within this INTERNATIONAL collaboration, I'm designing, developing, and evaluating a device to self-evaluate the rate of audiometry; the system is under evaluation both in Italy and in Spain.

- *May 2012 – today.* Scientific collaboration with LaCAM (Language and Communication across Modalities Laboratory) at ISTC (Institute for Cognitive Science and Technology) for TEL systems dedicated to deaf people. In particular, this collaboration is considered INTERNATIONAL since I personally worked with prof. Marc Marschark (RIT – Rochester Institute of Technology) [1]. This collaboration has been produced several papers and led to the project proposal DISSCO (Do It Smart: Socialise, Collaborate, Play, Assess, Recommend And Design), submitted to H2020.

- *May 2012 – today.* Scientific collaboration with two groups of the University of L'Aquila: (1) the research group denominated IDEA (Interaction DEsign and Applications) of Engineering Computer Science and Mathematics Department and (2) the research group of information engineering for Health-care of Dipartimento di medicina clinica, sanità pubblica, scienze della vita e dell'ambiente. The main activities dealing with Technology Enhanced Learning, Health-care and Disaster Management systems. this National and INTERNATIONAL collaboration

produced different scientific papers and lead several international projects (e.g., TERENCE) as well as the international multiconference PAAMS2020 will be held in L'Aquila in June 2020 (*https://www.paams.net/*).

- *March 2009 – March 2012.* Scientific collaboration with the Research Centre for Knowledge and Data (KRDB) Department of Free University of Bozen, within the LODE and LODE Caritro projects. this National and INTERNATIONAL collaboration produced different scientific papers and lead the FP7 TERENCE project proposal. In particular, I'm also dealt with (1) the design and development of a visual interface for annotating TIMEML stories; (2) studies on visualization techniques for temporal events "á la Allen".

- *March 2009 – March 2012.* Scientific collaboration with Information Systems Research Centre (CeRSI) of University LUISS – Guido Carli (Roma), for different research activities, especially dedicated to the Health-care of elderly people (e.g., European AAL project, HOPES). this National and INTERNATIONAL collaboration produced different scientific papers and, in particular, (1) the visual interface design for elderly people; (2) the usability design study for the that visual interface.

- *April 2008 – July 2010.* Scientific collaboration with "Laboratory for Enterprise Knowledge and Systems" (LEKS) at IASI (CNR - Roma). this National and INTERNATIONAL collaboration produced different scientific papers and results on the complex data management; within the european project COIN - COllaboration and Interoperability for networked enterprises (Integrated research project under the Seventh Framework Programme of the European Community), I produced: (1) the analysis of knowledge management portal; (2) a graphical visual design interface for building ontologies; (3) a study dedicated to the ontology browsing challenge. Within the FIRB TOCAI.IT project - Knowledge-oriented technologies for enterprise aggregation in Internet, I produced: (1) a graphical user interface for business process editing; (2) a usability analysis of the BPMN portal; (3) a study dedicated to visualization techniques for business process browsing. The collaboration also lead the EagleVox project proposal dedicated to the social support in dynamic community bonding during emergency situations.

- *January 2007 – December 2008.* Scientific collaboration with Accademia Europea di Bolzano (EURAC RESEARCH, Bozen Italy), within the e-LIS project. this National and INTERNATIONAL collaboration produced different scientific papers and: (1) the design of the bi-lingual electronic dictionary LIS-Italian graphical user interface; (2) a study on the deaf people supports in building LIS signs, i.e., the querying support tool; (3) different usability studies; (4) the evaluation of that querying support tool. The collaboration also leads the LODE and LODE-Caritro project proposals.

- *May 2002 – May 2005.* Scientific collaboration with the Department of Computer Science and Systems University of Rome, "La Sapienza", within the European project SEWASIE (IST-2001-34825), dealing with an ontology-based information system. this National and INTERNATIONAL collaboration produced different scientific papers and: (1) analysis design and evaluation of a user interface for querying and annotating ontologies; (2) a study on visualization methods dedicated to semantic relations among data; (3) evaluation of querying and mapping tools of ontologies.

4.3 Scientific and Organizational Activities

4.3.1 Scientific Activities

- *Executive Board Members*: Laboratory CINI AsTech – Assistive Technology and in charge of University of L'Aquila. ASLERD - no-profit interdisciplinary, democratic, scientific-professional association that recognizes the relevance of smart learning ecosystems, and more in general of learning.

- *Technical Program Chair*: 10th International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning (MIS4TEL 2020).

- *Paper and Proceedings Chair*: 9th e 7th International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning (MIS4TEL 2017, 2019); 6th International Conference on on Smart Learning Ecosystems and Regional Development (SLERD 2021).

- *Program Board Member*: International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning (MIS4TEL).

- *Scientific Committee Member*: (1) SIGCHITALY - Special Interest Group sullo Computer-Human Interaction dell'ACM; (2) AICA - Associazione Italiana per l'Informatica e il Calcolo Automatico; (3) European Network HiPEAC - High Performance and Embedded Architecture and Compilation; (4) ASLERD - no-profit interdisciplinary, democratic, scientific-professional association that recognizes the relevance of smart learning ecosystems, and more in general of learning; (5) Ordine degli Ingegneri della Provincia dell'Aquila.

- *Scientific Program Committee Member*: (1) MIS4TEL- International Conference in Methodologies and intelligent Systems for Technology Enhanced Learning; (2) RCIS- International Conference on Research Challenges in Information Science (3) ICWL- International Conference on Web-based Learning ; (4) International Symposium on Emerging Technologies for Education; (5) ECIS- European Conference on Information Systems; (6) CSEDU- International Conference on Computer Supported Education; (7) International Symposium Learning Analytics-LA@IV; (8) LREC2006- Workshops on the Representation and Processing of Sign Languages; (9) EBTEL- Workshop of Evidence-Based Technology Enhanced Learning; (10) LTEC 2012- Workshop on Learning Technology for Education in Cloud; (11) ITAIS- Conference of the Italian Chapter of AIS; (12) International Symposium on emerging Technology for Education-SETE; (13) Biannual Conference of the Italian SIGCHI Chapter-CHITALY; (14) International Conference on Research Challenges in Information Science- RCIS.

- *Steering Committee Member*: (1) International Symposium Learning Analytics; (2) International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning (MIS4TEL); (3) International Conference on Smart Learning Ecosystems and Regional Development (SLERD).

- *Invited Speaker for Tutorial*: biannual Conference of the Italian ACM SIGCHI Chapter (CHITALY 2007): Tutorial title- "Information Visualization to visually support the ontology querying task", Padova, 28 Giugno, 2007.

- *Speaker*: ODBASE2003; HCI2003; ODBASE2004; AVI2004; ECAI2004; HCI2005; AVI2006; SWAP2006; WEBIST2006; KES2007; WEBIST2007; HCI2007; CHI2007; IWWUA2007; AISC2007; AVI2008; BPMS2008; EE2008; ICOAE2008; IUI2008; ICCE2009; MBR2009; HCI2009; EDMEDIA2010; IESA2010; KEOD2010; MCES2010; OKM2010; VLHCC 2010; IADIS2011; DEG2011; EBTEL2011; EBTEL2012; IADIS2012; ICALT2012; PDSG2012;

TEFA2013; SEBD2013; ECTEL2013; EBTEL2013; ALPIS2013; HCI2014; IUI2014; MIS4TEL2014; MIS4TEL2015; HUFU2015; MIS4TEL2017; MIS4TEL2018; MIS4TEL2019; SLERD2019; CSEDU2019, HCITALY2005; CHITALY2008; AICA2011; CHITALY2011; ITAIS2011; DIDAMATICA2011; CHITALY2013; ITAIS2013; ITAIS2014; CHITALY2015; ITAIS2015; PALX2015.

- *Scientific Reviewer*: Multimedia Tools and Applications (Springer); Computers in Human Behavior (Elsevier); Journal on Efficiency and Responsibility in Education and Science; Interaction Design and Architectures (IXD&A); International Journal of Technology Enhanced Learning (InderScience Pub); International Journal of Distance Education Technologies (IGI Global); Sensors (Mdpi); International Journal of Artificial Intelligence in Education (IGI Global).

- *Track Chair*: Human Computer Interaction and Artificial Intelligence-ITAIS 2021.

- *General and Session Chair*: MIS4TEL; CSEDU; La@IV.

4.3.2 Organizational Activities

- *Local Co-Chair*: 18th International MultiConference on Practical Applications of Agents and Multi-Agent Systems (PAAMS2020). I am in charge of the organization of this international multiconference which will be held in L'Aquila in June 2020.

- *General Chair*: 8th International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning (MIS4TEL 2018); 10th International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning (MIS4TEL2020).

- *Symposium Chair*: 1st e 2nd International Symposium on Learning Analytics (LA@IV), co-located with 22th e 23th International Conference Information Visualisation (http://iv.csites.fct.unl.pt/).

- *Workshop and Tutorial Chair*: 26th European Conference on Information Systems (ECIS 2018 – http://ecis2018.eu/) – Beyond Digitization Facets of Socio-Technical Change (June 23rd-28th 2018 / Portsmouth, UK). Activities have been carried out in cooperation with two colleagues of mine, Amany Elbanna (Royal Holloway, UK) and Tammi Sinha (Winchester University, UK).

- *Sponsor Chair*: Biannual Conference of the ACM Italian SIGCHI Chapter (CHITALY 2013; CHITALY 2015).

- *Student Volunteer*: ECAI2006, the biennial European Conference on Artificial Intelligence, held in Riva del Garda (Italy) in September 2006.

- *Scientific Secretary*: Human Computer Interaction Italy Conference (HCITALY 2005); within this edition I not only supported the organizational aspects but I also took care of conference proceedings.

4.4 Project Management

- *Project Leader of the University of L'Aquila*: (1) INTERNATIONAL H2020-ECSEL-2019-2-RIA iRel40 – Intelligent Reliability 4.0, Grant agreement no: 876659. In particular, I coordinated the whole Univaq activities.

- *Co-project Leader of the University of L'Aquila*:INTERNATIONAL H2020-ECSEL-2019-2-RIA FRACTAL – A Cognitive Fractal and Secure EDGE based on an unique Open-Safe-Reliable-Low Power Hardware Platform Node, Grant agreement no: 877056. In particular, I coordinated the whole Univaq activities.

- *Work Package Leader*: INTERNATIONAL ICT 2009.4.2 FP7 EU TERENCE project, Grant agreement no: 257410. In particular I coordinated the entire usability studies of TERENCE interacting with more then 1000 children in Italy, UK and Spain.

- *Data Protection Manager and Project Executive Board Member*: INTERNATIONAL ICT 2009.4.2 FP7 EU TERENCE project, Grant agreement no: 257410. In particular, in cooperation with the other 4 members of the Project Executive Board (PEB), I managed the whole TERENCE project also as the privacy and user data protection manager.

- *Task Manager*: (1) INTERNATIONAL H2020-ECSEL-2019-2-RIA iRel40 – Intelligent Reliability 4.0, Grant agreement no: 876659; (2) INTERNATIONAL ICT 2009.4.2 FP7 EU TERENCE project, Grant agreement no: 257410. In particular, I managed the T1.1.1 task of WP1, dealing with the definition and classification of project's requirements; (3) INTERNATIONAL ICT 2009.4.2 FP7 EU TERENCE project, Grant agreement no: 257410. In particular, I managed the T1.1 task of WP1, dealing with the context of use and user analysis and classification; (4) INTERNATIONAL AAL-2009-2-031 EU HOPES project. In particular, I managed the T2.3 task of WP2, dealing with network platforms.

4.5 Editorial Board Activities

- *Editor*: Proceedings Internazionali: Methodologies and intelligent systems for technology enhanced learning Proceedings - Advances in Intelligent Systems and Computing - Springer Heidelberg New York Dordrecht London.

- *Editorial Board Member*: Journal Internazionali (1) IxD&A – Interaction Design and Architecture(s); (2) ERIES - Journal on Efficiency and Responsibility in Education and Science.

- *Invited Guest Editor*: (1) TEL4U - Special Issues of IxD&A Journal - Interaction Design and Architectures; N. 23, Winter 2014; (2) Special Issue on Evidence and User Based Technology Enhanced Learning - International Journal of Technology Enhanced Learning (IJTEL) - InderScience-Publishers of distinguished academic, scientific and professional journals.

4.6 Scientific Grants

- *Best Conference Application Paper*: IX Conference of the Methodologies and intelligent systems for technology enhanced learning, Avila (Spain), June, 26th-28th, 2019.

- *Best Conference Paper*: VIII Conference of the Italian Chapter of AIS Information Systems: a crossroads for Organization, Management, Accounting and Engineering LUISS Guido Carli University, Roma (Italy),October 2011.

- *National Research Grant*: Don Giulio Tarra: ricerche e studi per la sordità, for the book titled "Insegnare agli studenti sordi - apprendimento e sordità aspetti cognitivi, linguistici, socio motivi, tecnologici e scolastici".

- *National Research Grant*: SIR VISUTECA project. University of L'Aquila (Italy) funded the project after the positive evaluation of the VISUTECA project by the MIUR.

- *Participation Grant*: grant to participate in the Summer School on "Multimedia digital libraries Machine learning and cross-modal technologies for access and retrieval".

4.7 PhD Supervisor

- *2012 – 2014.* Member of "Collegio del Dottorato in Ingegneria e Scienze dell'Informazione", University of L'Aquila (Italy).

- *November 2020 – today.* Supervisor of Federica Caruso and Gabriella D'Andrea, PhD in Information and Communication Technology (ICT), University of L'Aquila (Italy), XXXIV cycle.

- *November 2020 – today.* Supervisor of Paolo Giammatteo, Vittoriano Muttillo e Giacomo Valente, research fellows at Center of Excellence- DEWS, University of L'Aquila (Italy).

- *January 2020 – October 2020.* Co-Supervisor of Federica Caruso, Gabriella D'Andrea e Vincenzo Stoico, PhD in Information and Communication Technology (ICT), University of L'Aquila (Italy), XXXIV cycle.

4.8 Istitutional service activity

- Membro del Consiglio di Area Didattica del Dipartimento di Ingegneria e Scienze dell'Informazione e Matematica (DISIM) per il Corso di Laurea Magistrale in Ingegneria Matematica.

- Membro delle Commissioni Valutatrici per: (1) Borsa di ricerca - Centro di Eccellenza DEWS ($cod.DisimDEWS - 2020 - b01$); (2) Borsa di Ricerca - Dipartimento di Ingegneria e Scienze dell'Informazione e Matematica ($cod.Disim - 2020 - br21$); (3) Assegno di ricerca - Dipartimento ddi Ingegneria e Scienze dell'Informazionee Matematica ($cod.DisimDEWS - 2020 - ar003$); (4) Borsa di Ricerca - Centro di Eccellenza DEWS ($cod.DisimDEWS - 2020 - b10$); (5) Assegno di ricerca - Dipartimento di Ingegneria e Scienze dell'Informazionee Matematica ($cod.Disim - 2020 - ar008$); (6) Borsa di Ricerca - Dipartimento di Ingegneria e Scienze dell'Informazione e Matematica ($cod.Disim - 2020 - br21$).

- Partecipazioni alle Commissioni d'aula per i test CISIA.

- Gestione dell'ammodernamento delle sale dottorandi del Dipartimento di Ingegneria e Scienze dell'Informazione e Matematica (DISIM).

4.9 Technological Transfer Activities

- *Co-Founder of ILab-AQ*: ILab-AQ is a laboratory dedicated to ICT students of University of L'Aquila (Italy) who need a co-working space to conceiving, structuring and presenting new business idea.

- *Co-Founder of Project Innovation srl*: Start-up. I am responsible for the technological transfer of UX e UI methodologies from the academic world to the business world.

- *Intellectual Property Rights*: GEOPRINT SW, L'Aquila, Italy, December 15, 2017 (number 012086, D011182) by Project Innovation srl.

5 Teaching Activities

5.1 Academic Teaching

- *2021–2022.* Lectures in Informatica Canale F (6 CFU, 60 hours), Bachelor Degree of Economia e Management, LUISS University – Guido Carli *(1 edition)*.

- *2020–2022.* Lectures in the Digital Transformation course (6 CFU, 60 hours), International MSC Law, Digital transformation and Sustainability, LUISS University – Guido Carli *(2 editions)*.

- *2019–2021.* Lectures in the Advances DataBase course (9 CFU, 90 hours), Master Degree of Ingegneria Informatica, University of L'Aquila (Italy) *(2 editions)*.

- *2015–2019.* Lectures in the Responsive Web Design course (3 CFU, 30 hours), Master Degree of Ingegneria Informatica, University of L'Aquila (Italy) *(4 editions)*.

- *2015–2017.* Co-Lectures in the Digital Skills course (3 CFU/9 CFU, 30 hours/90 hours), Master in Business Analysis (MBA), LUISS University – Guido Carli *(2 editions)*.

- *2010–2013.* Lectures in Sistemi di Elaborazione dell'Informazione (M) (6 CFU, 36 hours), Master Degree of Culture per la Comunicazione, University of L'Aquila *(3 editions)*.

- *2011–2012.* Co-Lectures in Sistemi di Elaborazione dell'Informazione (3 CFU/9 CFU, 30 hours/90 hours), Master Degree of Ingegneria Informatica, University of L'Aquila (Italy) *(1 edition)*.

- *2011–2013.* Co-Lectures in Informatica Canale D (3 CFU/6 CFU, 30 hours/60 hours), Bachelor Degree of Economia e Management, LUISS University – Guido Carli *(2 editions)*.

- *2007–2010.* Lectures in Tecniche del Linguaggio Multimediale I (5 CFU, 30 hours), Master Degree of Culture per la Comunicazione, University of L'Aquila (Italy) *(3 editions)*.

- *2007–2010.* Lectures in Tecniche del Linguaggio Multimediale II (5 CFU, 30 hours), Master Degree of Culture per la Comunicazione, University of L'Aquila (Italy) *(3 editions)*.

- *2007–2010.* Lectures in Informatica I (5 CFU, 30 hours), Bachelor Degree of Lettere e Filosofia, University of L'Aquila (Italy) *(3 editions)*.

- *2007–2010.* Lectures in Informatica II (5 CFU, 30 hours), Bachelor Degree of Lettere e Filosofia, University of L'Aquila (Italy) *(3 editions)*.

- *2008–2010.* Lectures in Abilità Informatiche (3 CFU, 30 hours), Bachelor Degree of Ingegneria Agroindustriale, University of L'Aquila (Italy) *(2 editions)*.

- *2007–2008.* Lectures in Informatica per la Comunicazione (3 CFU, 30 hours), Master Degree of Lettere e Filosofia, University of L'Aquila (Italy) *(1 edition)*.

- *2006–2007.* Lectures in Programmazione ad oggetti (8 CFU), Bachelor Degree of Ingegneria Elettronica e delle Telecomunicazioni, University of L'Aquila (Italy) *(1 edition)*) .

- *2003–2019.* Assistant for Sistemi di Elaborazione dell'Informazione I and Progettazione di Sistemi interattivi courses, Master Degree of Informatica, University of L'Aquila (Italy) *(16 editions)*.

- *2002–2004.* Assistant for Sistemi di Elaborazione dell'Informazione, Master Degree of Ingegneria Meccanica, University of L'Aquila (Italy) *(2 editions)*.

5.2 Master's Thesis Supervisor

- Supervisor of more than 30 undergraduate and postgraduate students, at the University of L'Aquila, Roma "La Sapienza" and Bozen-Bolzano (Italy).

5.3 Non-academic teaching

- *2013–2015.* Seminars at I-Lab LUISS within the start-up program.

- *2014–2015.* Seminars at LUISS - ENLABS within start-up training.

- *2014.* Seminars within the Internet of things Master on Interaction Design, Universidad de Salamanca (Spain).

- *2010.* Invited Tutorial at the Dipartimento di Filosofia, Pedagogia e Psicologia University of Verona. Tutorial title "Come gli alunni di scuola elementare rappresentano visivamente le relazioni temporali in una storia".

- *2008.* Seminar at Computer Science Faculty of University of Bozen-Bolzano. Seminar Title "The e-LIS project: how ontologies describe the sign language".

- *2007.* Invited Tutorial at CHITALY07, 5th Symposium of italian HCI people. Tutorial title "Information Visualization: visual support to query the e-LIS ontology".

- *2006–2008.* Lectures in "Competenze Informatiche per la Didattica" for the SSIS school, University of L'Aquila (Italy).

- *2006 - 2007.* Teacher at CAPITALIA, within the course of information and management, Roma.

- *2005 - 2006.* Lectures in the "Gestione software dei dati" and "Organizzione e architettura" courses at Lazio region.

- *2005 - 2006.* Lectures in JAVA course, for TELECOM, organized by the INFOCOM of University of Rome, "La Sapienza".

- *2002 - 2003.* Lectures in the Web Designer course, at IAL–CISL Abruzzo.

6 Professional Activities

- *2018 – today.* Tutor and Mentor at Triboo srl - HackTML hackaton.

- *2014 – today.* Mentor and consultant at Seedble srl - project proposal production.

- *2013 – today.* Mentor and consultant at I-labLUISS - project proposal production and UX and UI support.

- *2009 – 2011.* Consultant at ASM spa (L'Aquila) - UX and UI designer.

- *2010.* Consultant at the Department of Electric and Information Engineering of University of L'Aquila (Italy) for SPEE srl - UX and UI designer for HIMALAYA.

- *Ottobre 2008.* Consultant for Abruzzo Lavoro - Ente Strumentale della Regione Abruzzo - UX and UI evaluator.

- *2008.* Consultant at the Department of Electric and Information Engineering of University of L'Aquila (Italy) for DEWI srl - UX and UI designer for water leakage systems.

- *2008.* Consultant at L'Aquila Engineering Order - UX and UI designer for the Order portal.

7 Publications

Books

[1] P. Rinaldi, T. Di Mascio, H. Knoors, and M. Marschark. Insegnare agli studenti sordi. Societá Editrice il Mulino, Bologna (ITA), 2015. ISBN: 978-88-15-25897-7.

Book Chapters

[2] T. Di Mascio and R. Gennari. A Usability Guide to Intelligent Web Tools for the Literacy of Deaf People. *Integrating Usability Engineering for Designing the Web Experience: Methodologies and Principles*, pp. 210-224. In T. Spiliotopoulos, P. Papadopoulou, D. Martakos, and G. Kouroupetroglou (Eds). Hershey, PA: IGI Global, 2010. doi:10.4018/978-1-60566-896-3.ch011.

Journals

[3] G. Valente, T. Di Mascio, G. D'Andrea, L. Pomante (2020). Dynamic Partial Reconfiguration Profitability for Real-Time Systems.IEEE EMBEDDED SYSTEMS LETTERS, Institute of Electrical and Electronics Engineers Inc. ISSN: 19430663, doi: 10.1109/LES.2020.3004302.

[4] P. Giammatteo, T. Di Mascio (2020).Wilson-Hilferty-type approximation for Poisson Random Variable. ADVANCES IN SCIENCE AND ENGINEERING SYSTEMS, Vol. 5 Issue 2, pp. 377-383, Astes publishers. ISSN: 24156698 (Print), doi: 10.25046/aj050249.

[5] G. Valente, P. Giammatteo, V. Muttillo,L. Pomante, T. Di Mascio (2019). A Lightweight, Hardware-Based Support for Isolation in Mixed-Criticality Network-on-Chip Architectures. Advances in Science, Technology and Engineering Systems. Vol. 4, Issue 4, Pages 561-57.

[6] T. Di Mascio, R. Gennari, L. Tarantino, and P. Vittorini (2017). Designing visualizations of temporal relations for children: action research meets HCI. MULTIMEDIA TOOLS AND APPLICATIONS, Vol. 76 Issue 4, pp. 4855-4893, February 2017, Springer US. ISSN: 1380-7501(Print), doi: 10.1007/s11042-016-3609-6.

[7] T. Di Mascio, R. Gennari, A. Melonio, and L. Tarantino (2016). Supporting Children in Mastering Temporal Relations of Stories: The TERENCE Learning Approach. INTERNATIONAL JOURNAL OF DISTANCE EDUCATION TECHNOLOGIES, Vol. 14 Issue 1, pp. 44-63, January 2016, IGI Publishing Hershey, PA, USA. ISSN: 1539-3100(Print), doi: 10.4018/IJDET.2016010103.

[8] D. Di Giacomo, V. Cofini, T. Di Mascio, M.R. Cecilia, D. Fiorenzi, R. Gennari, and P. Vittorini (2016). The silent reading supported by adaptive learning technology: Influence in the children outcomes. COMPUTERS IN HUMAN BEHAVIOR, Vol. 55 Part B, pp. 1125-1130, February 2016, Elsevier. ISSN: 0747-5632(Print), doi: 10.1016/j.chb.2014.09.053.

[9] G. Di Giammarco, T. Di Mascio, M. Di Mauro, A. Tarquinio, and P. Vittorini (2015). Smart-Heart CABG Edu. ADVANCES IN DISTRIBUTED COMPUTING AND ARTIFICIAL INTELLIGENCE JOURNAL, Vol. 4 No.1, pp. 22-33, October 2015, Ediciones Universidad de Salamanca. ISSN: 2255-2863(Print), doi: 10.14201/ADCAIJ2015412233.

[10] M.R. Cecilia, T. Di Mascio, L. Tarantino, and P. Vittorini (2014). Designing TEL products for poor comprehenders: Evidences from the evaluation of TERENCE. INTERACTION DESIGN AND ARCHITECTURE(S) JOURNAL (IxD&A), vol. 23, pp. 50-67, December 2014, Scuola IaD. ISSN: 1826-9745(Print).

[11] F. De La Prieta, T. Di Mascio, R. Gennari, I. Marenzi, and P. Vittorini (2014). User-centred and Evidence-based Design of Smart Games for Poor Text Comprehenders: the TERENCE Experience. INTERNATIONAL JOURNAL OF TECHNOLOGY ENHANCED LEARNING (IJ-TEL), Vol. 6 No.3, pp. 212-236, January 2014, Inderscience publishers. ISSN: 1753-5255(Print), doi: 10.1504/IJTEL.2014.068350.

[12] T. Di Mascio, R. Gennari, A. Melonio, and P. Vittorini (2013). Designing games for deaf children: first guidelines. INTERNATIONAL JOURNAL OF TECHNOLOGY ENHANCED LEARNING (IJTEL), Vol. 5 No.3/4, pp. 223-239, February 2013, Inderscience publishers. ISSN: 1753-5255(Print), doi: 10.1504/IJTEL.2013.059493.

[13] V. Cofini, F. De La Prieta, T. Di Mascio, R. Gennari, I. Marenzi, and P. Vittorini (2013). The Design of Learning Material for Poor Comprehenders: Lessons Learnt from Experts. JURNAL TEKNOLOGI (Sciences and Engineering), vol. 63 No.3, pp. 45-51, August 2013, Penerbit UTM Press. ISSN: 2180-3722, doi: 10.11113/jt.v63.1953.

[14] V. Cofini, F. De La Prieta, T. Di Mascio, R. Gennari, and P. Vittorini (2012). Design Smart Games with requirements, Generate them with a Click, and Revise them with a GUIs. AD-CAIJ: ADVANCES IN DISTRIBUTED COMPUTING AND ARTIFICIAL INTELLIGENCE JOURNAL, Vol. 1 No. 3, pp. 55-68, December 2012, Ediciones Universidad de Salamanca. ISSN: 2255-2863, doi:10.14201/ADCAIJ20121315568.

[15] T. Di Mascio, A. Laudisio, M. Missikoff, P. Spagnoletti, V. Russo, and L. Tarantino (2011). HOPES: una piattaforma multimediale per favorire l'interazione sociale e l'aiuto agli anziani. E-HEALTH CARE: innovazione e tecnologie in sanitá, Vol. 15, pp. 20-27, December 2011, Edisef. ISSN: 2038-4238.

[16] T. Di Mascio, D. Frigioni, and L. Tarantino (2010). VISTO: A new CBIR system for vector images. INFORMATION SYSTEMS, Vol. 35 Issue 7, pp. 709-734, November 2010, Elsevier. ISSN: 0306-4379, doi: 0.1016/j.is.2009.10.003.

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[18] L. Tarantino and T. Di Mascio (2003). Advanced Visual Interfaces: the Focus is on the User. THE KNOWLEDGE ENGINEERING REVIEW, Vol. 18 Issue 2, pp. 175-181, November 2003, Cambridge University Press. ISSN: 0269-8889, doi: 10.1017/S0269888903000584.

[19] D. Frigioni, L. Tarantino, and T. Di Mascio (2002). On Formal Aspects of Zooming in Geographic Maps. INFORMATICA, Vol. 26 No.4, pp. 309-319, November 2002, IOS Press. ISSN: 0350-5596.

International Conferences

[20] F. Caruso, T. Di Mascio, S. Peretti, L. Pomante, G. Valente (2022). MONICA On-the-Job Technology-Enhanced Learning Environment: An Empirical Evaluation.In . In book Methodologies and Intelligent Systems for Technology Enhanced Learning: 11th International Conference, Lecture Notes in Networks and Systems, 54-64, 2022, Springer.

[21] G. D'Andrea,G. Valente, L. Pomante,T. Di Mascio (2021). An Investigation of Dynamic Partial Reconfiguration Offloading in Hard Real-Time Systems. In 24th Euromicro Conference on Digital System Design, DSD 2021, Palermo, Spain, September 1-3, publisher IEEE, isbn: 978-1-6654-2703-6.

[22] T. Di Mascio, P. Fantozzi, L. Luigi,V. Rughetti (2021).Age and Gender (Face) Recognition: A Brief Survey. In International Conference in Methodologies and intelligent Systems for Techhnology Enhanced Learning,105-113, Springer.

[23] T. Di Mascio, S. Peretti,M. Temperini (2021) .The role of Intrinsic Motivation in Peer Assessment Activity: an empirical evaluation. In 19th International Conference on Information Technology Based Higher Education and Training (ITHET 2021).

[24] F. Caruso, T. Di Mascio, G. Valente, L. Tarantino (2021). MONICA Vision: An Approach, a Model, and the Interactive Tools for Cyber-Physical Systems Designers. In CHItaly 2021: 14th Biannual Conference of the Italian SIGCHI Chapter (CHItaly 21), July 1113, 2021, Bolzano, Italy. ACM, New York, NY, USA, 5 pages. https://doi.org/10.1145/3464385.3464778.

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[26] S. Costantini, G. De Gasperis, T. Di Mascio, P. Migliarini, A. Salutari (2020). Proposal of a empathic multi-agent robot design based on theory of mind. In Proc. of Workshop on Adapted Interaction with Social Robots: cAESAR 2020; Cagliari; Italy. pp. 16–17.

[27] G. Valente, T. Di Mascio, L. Pomante, V. Stoico (2020). An ESL Methodology for HW/SW Co-Design of Monitorable Embedded Systems: the Design for Monitorability Project-Work-in-Progress. In Proc of International Conference on Hardware/Software Codesign and System Synthesis (CODES+ ISSS): IEEE 2020; Singapore,Japan. pp. 40–42.

[28] A. Lojo, L. Rubio, J.M. Ruano, T. Di Mascio, L. Pomante, E. Ferrari, I.G. Vega, F.K. Gürkaynak, M.L. Esnaola, M. Labayen, V. Orani, J. Abella (2020). The ECSEL FRACTAL Project: A Cognitive Fractal and Secure edge based on a unique Open-Safe-Reliable-Low Power Hardware Platform. In Proc. of 23th Euromicro Conference on Digital System Design (DSD): IEEE 2020; Kranj, Slovenia. pp. 393–400.

[29] D. Cassioli, A. Di Marco, T. Di Mascio, L. Tarantino, P. Inverardi (2020). Is Really IoT Technology Gender Neutral?. In Proc. in IEEE International Workshop on Metrology for Industry 4.0 & IoT,2020, Roma, Italy. pp. 324-328.

[30] T. Di Mascio, L. Tarantino, F. Caruso (2020). Towards a gamified musical skill learning model (mus-lm): structural aspects. In Proc. of the 10th International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning: MIS4TEL 2020. Advances in Intelligent Systems and Computing

[31] G. Audrito, T. Di Mascio, P. Fantozzi, L. Laura, G. Martini, U. Nanni, M. Temperini (2020). Recommending tasks in online judges. Advances in Intelligent Systems and Computing, pp. 129-136. In Proc. of 9th International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning: MIS4TEL 2019; June 2019, vila (Spain).

[32] T. Di Mascio, L. Tarantino, G. De Gasperis, M.C. Pino (2020).Immersive virtual environments: A comparison of mixed reality and virtual reality headsets for ASD treatment. Advances in Intelligent Systems and Computing, pp. 153-163. In Proc. of 9th International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning: MIS4TEL 2019; June 2019, vila (Spain).

[33] T. Di Mascio, L. Tarantino (2020).The Structured Methodological Framework Deejay: Foundation and Its Application to the Design of an ASD-Oriented AAC Too. Smart Innovation, Systems and Thechnologies, Vol 158, pp. 247-259. In Proc. of 4th International Conference on Smart Learning Ecosystems and Regional Development:SLERD 2019; May 2019, Rome (Italy).

[34] T. Di Mascio and L. Tarantino (2019). A novel children-oriented data gathering technique. In Proc. of 6th ACM Celebration of Women in Computing: womENcourage2019; September 16th-18th 2019, Rome (Italy).

[35] L. Tarantino, G. De Gasperis, T. DiMascio, MC. Pino (2019). Immersive applications: what if users are in the autism spectrum?. InThe 17th International Conference on Virtual-Reality Continuum and its Applications in Industry Nov 14 (pp. 1-7).

[36] G. D'Andrea, T. Di Mascio, and G. Valente (2019). Self-adaptive loop for CPSs: is the Dynamic Partial Reconfiguration profitable? In Proc. of the 8th Mediterranean Conference on Embedded Computing (MECO2019); June 10th-14th 2019, Budva (Montenegro). ISBN: 978-1-7281-1739-3.

[37] P. Giammatteo, F. Fiordigigli, L. Pomante, T. Di Mascio, and F. Caruso (2019). Age Gender Classifier for Edge Computing. In Proc. of the 8th Mediterranean Conference on Embedded Computing (MECO2019); June 10th-14th 2019, Budva (Montenegro). ISBN: 978-1-7281-1739-3.

[38] F. Caruso, T. Di Mascio, and M. Pennese (2019). Gamify the Audiation: The CrazySquare Project. In Proc. of 11th International Conference on Computer Supported Education (CSEDU), Vol 1, pp. 92-99. May 2nd-4th 2019, Heraklion, Crete (Greece). ISBN: 978-989-758-367-4, doi: 10.5220/0007764900920099.

[39] V. Muttillo, G. Fiorilli, and T. Di Mascio (2019). Tuning DSE for heterogeneous multiprocessor embedded systems by means of a self-equalized weighted sum method. In Proc. of 10th and 8th WS on Parallel Programming and Run-Time Management Techniques for Many-Core Architectures and Design Tools and Architectures For Multicore Embedded Computing Platforms (PARMA-DITAM 2019). January 21st 2019, Valencia (Spain). ISBN: 978-1-4503-6321-1, doi: 10.1145/3310411.3310412.

[40] T. Di Mascio, L. Tarantino, L. Cirelli, S. Peretti, and M. Mazza (2019). Designing a personalizable ASD-oriented AAC tool: an action research experience. In Proc. of 8th International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning (MIS4TEL 2018). Advances in Intelligent Systems and Computing, vol 804, pp. 200-209, Springer Cham. June 20th-22th 2018, Toledo (Spain). ISBN (Print): 978-3-319-98871-9, doi: 10.1007/978-3-319-98872-6_24.

[41] T. Di Mascio, L. Laura, and M. Temperini (2018). A framework for personalized competitive programming training. In Proc. of the 2018 17th International Conference on Information Technology Based Higher Education and Training (ITHET), IEEE. April 26th-28th 2018, Olhao (Portugal). ISBN (Print on Demand(PoD)): 978-1-5386-4624-3, doi: 10.1109/ITHET.2018.8424620.

[42] G. De Gasperis, T. Di Mascio, and L. Tarantino (2017). Toward a cognitive robotics laboratory based on a technology enhanced learning approach. In Proc. of 7th International Conference in Methodologies and Intelligent Systems for Technology Enhanced Learning (MIS4TEL 2017). Advances in Intelligent Systems and Computing, vol 617, pp. 101-109, Springer Cham. June 21st-23rd 2018, Porto (Portugal). ISBN (Print): 978-3-319-60818-1, doi: 10.1007/978-3-319-60819-8_12.

[43] T. Di Mascio, L. Tarantino, and G. De Gasperis (2015). If Usability Evaluation and Software Performance Evaluation Shook Their Hands: A Perspective. In Proc. of International Conference on Product-Focused Software Process Improvement (PROFES2015), Lecture Notes in Computer Science, vol 9459, pp.479-489, Springer Cham. December 02nd-04th 2015, Bolzano (Italy). ISBN (Print): 978-3-319-26843-9, doi: 10.1007/978-3-319-26844-6_35.

[44] T. Di Mascio and L. Tarantino (2015). Towards children-oriented visual representations for temporal relations. In Proc. of Methodologies and Intelligent Systems for Technology Enhanced Learning. Advances in Intelligent Systems and Computing, vol 374, pp. 81-89, Springer Cham. ISBN (Print): 978-3-319-19631-2, doi:10.1007/978-3-319-19632-9_11.

[45] T. Di Mascio, R. Gennari, P. Vittorini, F. De la Prieta (2015). Methodologies and intelligent systems for technology enhanced learning. Springer. In Proc of 1st International Conference on Methodologies and Intelligent Systems for Technology Enhanced Learning, MIS4TEL 2015; Salamanca; Spain; June 2015.

[46] M.R. Cecilia, V. Cofini, T. Di Mascio, and P. Vittorini (2014). The Relationship between Psycho-pedagogical and Usability Data in the TERENCE Evaluation Methodology. In: Methodologies and Intelligent Systems for Technology Enhanced Learning. Advances in Intelligent Systems and Computing Series, vol 292, pp. 61-68, Springer Cham. ISBN (Print) 978-3-319-07697-37, doi: 10.1007/978-3-319-07698-0_8.

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[51] T. Di Mascio, R. Gennari, A. Melonio, P. Vittorini P (2013). Play and learn about your learners to early form your TEL design. In Proc. of 2nd Workshop on Technology Enhanced Formative Assessment, TEFA 2013 - Co-located with the 8th European Conference on Technology Enhanced Learning, EC-TEL 2013; Paphos; Cyprus; September 2013, InCEUR Workshop Proceedings, Vol. 1147.

[52] M.R. Cecilia, T. Di Mascio, and A. Melonio (2013). The 1st Release of the TERENCE Learner GUI: the User-Based Usability Evaluation. In Proc. of 2nd International Workshop on Evidence-based Technology Enhanced Learning. Advances in Intelligent Systems and Computing, vol 218, pp. 1-8, Springer Heidelberg. May 22th-24th, Salamanca (Spain). ISBN (Print): 978-3-319-00553-9, doi: 10.1007/978-3-319-00554-6_1

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Tania Di Mascio