

PERSONAL INFORMATIONS

Giorgio Poletti



Sex M | Date of birth

TITLE OF STUDY Degree in Mathematics

PROFESSIONAL EXPERIENCE

-
- From 2019** **Research fellow**
 University of Ferrara - Department of Human Sciences
 Research entitled "Design and implementation of interactive and multimedia tools to support learning and teaching optimization processes" - Manager Prof.ssa Anita Gramigna
 - From 2015 - 2016** **Research fellow**
 University of Ferrara - Department of Human Sciences
 Research entitled "Structured models of Learning Objects and interactive functionality for online training" - SSD M / PED-04, Experimental Pedagogy - Manager Prof.ssa Elena Marescotti
 - From 2008 to 2014** **Research fellow**
 University of Ferrara - Department of Human Sciences
 Research entitled "Structured models of Learning Objects and interactive functionality for online training" - SSD M / PED-04, Experimental Pedagogy - Responsible Prof. Paolo Frignani
 - From 2006 to 2008** **Collaboration in research activities**
 University of Ferrara - CARID (University Center for Educational Research and Innovation)
 Research activity in the scientific disciplinary sector M-PED / 04 with research from the "Structural models of Learning objects and interactive functionalities for online training".
 - From 2000 to 2006** **Teacher and coordinator**
 University of Ferrara - CARID (University Center for Educational Research and Innovation)

 - IT consultancy for the online management of the DU of Audiovisual and Multimedia Communication Technologist of the Faculty of Arts and Philosophy
 - Scientific Coordinator of the University Master "Planning and organization of distance learning"

- Multimedia Sector Manager
- Professor of the "Multimedia and web for foreign language teaching" refresher course, reserved for teachers of all the Centers that teach foreign languages at the CFP-Popular University of Trento, Trento campus.
- Lecturer in the "Radio and television and multimedia communication technician" course for the area of design and implementation of multimedia products.
- Professor of interactive and web-based audiovisual design and laboratory manager: Theory and techniques of reticular audiovisuals in the Master "Project manager of digital audiovisual communication"

From 1989 to 2000 Teacher and manager of training projects

ENAIIP - Ferrara

- teaching assignments, in over 200 training courses at different levels, in the modules of:
 - fundamentals of mathematical logic;
 - introduction to computer science;
 - operating systems and basic hardware;
 - analysis and programming techniques;
 - programming languages;
 - advanced use and management of application packages (word processor, spreadsheets, data base and slide show presentation)
 - Internet network and network communication models;
 - programming languages for distributed applications;
 - author languages and CD-ROM production;
 - Marc marker languages and website development.
 - Teacher of computer science in refresher courses for elementary and middle school teachers.
- Head of the provincial FAD (Distance Training) center at the EnAIP headquarters in Ferrara, within the regional network for the development and use of distance training products.
- Project Manager of the P.O. Multiregional 14 (Object Oriented Programmers).
- Coordinator of Open Learning course recognized by the Province of Ferrara.
- Tutor for distance training, within an action of the Andromeda Project, aimed at the use of products and exercise kits for the FAD for employees of Small and Medium Enterprises
- Coordinator of the European project "CHOICE", inserted in the Leonardo Program, for the elaboration of a method of selection and composition of groups in formation; this project involves EnAIP Ferrara, the University of Rouen (France) and GOE, a training and business orientation center in Palma de Majorca (Spain).
- Development of online training kits, as part of the update and expansion project for distance learning titles, promoted by the Emilia Romagna region.
- Production of educational CD-ROMs on behalf of EnAIP. Ferrara and EnAIP. Emilia Romagna
- Production of the CD-ROM Catalog of the EIMA Fair 1998
- Software development of the following interactive and multimedia CDs, for training, created by SINFORM (SINergie for TRAINING):
 - "The system of evaluations in organizations" (Studium srl, Project "Labor analysts" Multiregional P.O. "Reconversion, requalification");
 - "Human Resource Management and Enhancement of the Disabled" (Banca Popolare di Milano, Horizon Project ");
 - Volume "Volume 1 - Entrepreneurial and training planning tools" (Vulcano Project 1);
 - "Econopolis" (Janus II - Regional project for the training and social and employment integration of young people in the European Union).
- Software development of two websites within the Andromeda project addressed to it in the training network, by SINFORM:
 - The company tutor;
 - Corporate training plans.
 - Software development of an Internet site as part of the Janus II project (Regional project for the training and social and employment integration of young people in the European Union), by SINFORM: Janus Net.

From 1999 **Teacher**

University of Ferrara

- a.a. 1999/2000 and 2000/2001 for the teaching "Fundamentals of Computer Science" for the DU course of Technologist of audiovisual and multimedia communication of the Faculty of Letters and Philosophy.
- for a.a. 1999/2000 and 2000/2001 for the teaching "Multimedia design and production" for the DU course of Technologist of audiovisual and multimedia communication of the Faculty of Letters and Philosophy.
- for a.a. 2000/2001 for the teaching "Design and production of computer science for teaching" for the DU course of Technologist of audiovisual and multimedia communication of the Faculty of Letters and Philosophy.
- from a.a. 2001/2002 to 2009/2010 for the teaching "Fundamentals of Computer Science" for the degree course "Technologist of audiovisual and multimedia communication" of the Faculty of Letters and Philosophy.
- from a.a. 2001/2002 to 2010/2010 for the teaching "Design and multimedia production" for the degree course "Technician of audiovisual and multimedia communication" of the Faculty of Letters and Philosophy.
- from a.y. 2001/2002 to 2009/2010 for the laboratory "Design of communication with digital technologies" for the degree course "Technologist of audiovisual and multimedia communication" of the Faculty of Letters and Philosophy.
- from a.a. 2002/2003 for the course "Computer and multimedia applications" for the Degree course "Sciences of cultural and environmental heritage" of the Faculty of Sciences MM FF NN
- from a.a. 2006/2007 for the teaching "Computer Literacy" for the degree course in "Operator of Cultural Tourism" of the Faculty of Letters and Philosophy.
- from a.a. 2006/2007 to 2008/2009 for the teaching "Computer Science" for the "Letters" Degree course of the Faculty of Letters and Philosophy.
- from a.a. 2006/2007 for the teaching "Computer Literacy" for the Degree course in "Philosophy" of the Faculty of Letters and Philosophy.
- from a.a. 2006/2007 for the teaching "Computer laboratory" for the Degree course in "Educational sciences" of the Faculty of Arts and Philosophy.
- from a.a. 2009/2010 for the teaching "Computer Science" for the Degree course in "Public Communication of Culture and the Arts" of the Faculty of Letters and Philosophy.
- a.a. 2010/2011 for the teaching "Fundamentals of Computer Science" for the Degree course "Communication Sciences and Technologies" of the Faculty of Letters and Philosophy.
- from a.a. 2010/2011 to a.a. 2013-2015 for the "Computer Science" teaching for the Degree course "Sciences and Technologies for Cultural Heritage" of the Faculty of Science MM.FF.NN.
- a.a. 2010/2011 for the teaching "Multimedia Technologies" for the "Computer Science" degree course of the Faculty of Science MM.FF.NN.
- from a.a. 2011/2012 for the course "Information and multimedia technologies" for the Degree course "Communication Sciences and Technologies" of the Faculty of Arts and Philosophy
- from a.a. 2011/2012 - a.a. 2012-2013 for the teaching of "Computer Fitness" Master's Degree in "Foreign Languages and Literatures" and Bachelor's Degree in "Modern and Classical Languages and Literatures" Department of Human Sciences - University of Ferrara
- a.a. 2012/2013 assignment for teaching support Integrative Course Degree in "Foreign Languages and Literatures" of the Faculty of Letters and Philosophy
- a.a. 2012/2013 "Educational Techniques and Technologies" - Teaching Module of Adult Education Methodology - Master of Science in Nursing and Midwifery Sciences of the Faculty of Medicine and Surgery
- from a.a. 2012/2013 "New technologies for training" module in PAS - Special Enabling Paths (2013/2014) and TFA - Active Training Internship (2012/2013 and 2014/1015) at the University of Ferrara. In TFA 2014/2015 II cycle of the course "Experimental Pedagogy and Psycho-sociology".
- from a.a. 2014/2015 module "Computer Skills" Degree Course in "Philosophical and Educational Sciences" and Degree Course in "Modern and Classical Letters and Languages" Department of Humanities - University of Ferrara
- from a.a. 2017/2018 to the 2018/2019 academic year "Computer Science" Degree Course in Economics
- a.a. 2017/2018 (co-owner with Prof. Gramigna) "General Pedagogy and History" in the path "24 training credits, referred to in the implementing decrees of the Good School"
- from a.a. 2019/2020 "Computer science and social media laboratory for tourism" Degree

course in "Manager of Cultural Routes" Department of Humanities - University of Ferrara

PERSONAL SKILLS

Native language Italiano

Other languages

	UNDERSTANDING		SPOKEN		WRITTEN
	Ascolto	Lettura	Interazione	Produzione orale	
English	B2	B2	B2	B2	B2
French	B1	B1	B1	B1	A1

Digital competence

Self Assessment				
Processing of information	Communication	Content Creation	Security	Problem Solving
Expert user	Expert user	Expert user	Expert user	Expert user

• Other skills

My skills are inherent, in the context of multimedia and hypermedia, to the methods of designing and coordinating the processes for creating experimental prototypes and the related process of testing sites and more generally of Learning Object.

My specific technical-operational skills include:

- procedural programming languages (including Fortran, C, Basic, Pascal and Java) that declarative (Prolog);
- software for the design, implementation and management of multimedia and interactive systems (including Instructor and Director);
- management and configuration of Internet, Intranet and Extranet networks and information distribution network models and schemes;
- languages and applications for the definition and management of blogs;
- languages and technologies for the dissemination of information in a targeted and structured way (RSS, Really Simple Syndication which is an XML-based format suitable for the dissemination of content on the Internet).
- e-mobile and mobile learning systems
- knowledge structuring languages (XML and derivative languages, RDF and OWL);
- representation languages (XSL and SVG) and media synchronization languages (SMIL);
- languages for the management of interactive sites and LMS particularly aimed at multimedia and interactivity (such as PHP);

As far as my analysis and planning skills are concerned, both cognitive and applicative, in particular:

- I know the main site models and the principles of design and testing of websites and LOs for learning with the use of information distribution technologies
- As far as my analysis and planning skills are concerned, both cognitive and applicative, in particular:
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- I know the main accessibility and usability (with reference to WAI, Web Accessibility Initiative)
- are able to design and coordinate the creation of CDs, websites and applications for mobile learning and LMS platforms, in particular Moodle
- I am able to define and coordinate the choice of the most suitable models and software tools for each application according to the content to be mediated and the target audience
- My experience has also made me develop skills both in frontal teaching and in e-learning

- teaching which allows me to know the strategies focused on learning.
- These my skills allow me to operate both in the design phase and in the construction and experimentation, in the definition of multimedia and interactive objects based on constructivism and cooperative methodologies within the groups being formed.
- I also gained a didactic competence related to the contextualization of the objects produced within a domain ontology that becomes the navigator that allows a personalized and effective approach to these objects. • I know the main accessibility and usability (with reference to WAI, Web Accessibility Initiative)
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Driving license B

FURTHER INFORMATIONI

Publications

Speaker and Chairman at Conferences

Projects

Research interests

Scientific committees

Publications

(ORCID 0000-0002-7270-6083)

Volumes

- Poletti G, Pedroni M. (1999). Fondamenti di Informatica. TecomProject Editore. Ferrara
- Poletti G, Pedroni M. (1999). Informatica e Comunicazione. TecomProject Editore. Ferrara
- Poletti G, Pedroni M. (2001). 4. Comunicazione digitale e basi di dati. TecomProject Editore. Ferrara
- Poletti G. (2001). Progettazione e Produzione Multimediale. TecomProject Editore. Ferrara
- Poletti G. (2018). Tra ontologia e epistemologia per una rappresentazione tecnologica dei saperi. Edizioni Volta la carta, Ferrara

Contributions in Volumes

- Poletti G. (2006). Semantic Web and Digital Libraries. Teaching in the Knowledge Society: New Skills and Instruments for Teachers (edited by Dr. Antonio Cartelli), Idea Group Inc.Hershey PA.
- Poletti G. (2008). Comparison of technologies and methodologies in the E-Learning EXPO). Experience in Encyclopedia of Information Communication Technology. 2 Volumes, pages 95-99. Cartelli A, Palma M Università di Cassino. IGI GLOBAL. Hershey, Pennsylvania (USA).
- Poletti G, La Vecchia L. (2009). Da Eduonto all'uso di mappe concettuali come strumento semi strutturato di valutazione, Web Ontology della valutazione educativa. Luciano Galliani (a cura di). OPEN LEARNING. Pensa Multimedia. Lecce.
- Poletti G, Garavaglia A. (2010), Ontologia e rappresentazione: l'ambiente tecnologico. Ontologia della comunicazione Metodo, ricerca, formazione, Pier Cesare Rivoltella (a cura di). Vita e Pensiero. Milano.
- Poletti G, Toscano G. (2014). Nuove tecnologie per la didattica museale. Studio di una applicazione di realtà aumentata per device mobile del museo MANFe di Ferrara, in Transmedia education. Contenuti, significati, valori, pagg. 283-298, A. Garavaglia (a cura di). Unicopli. Milano.
- Poletti G. (2017). Tecnologie e Intercultura: dalla connessione al dialogo, in Il patrimonio dell'Intercultura tra metodo e strumenti Il dialogo tra globale e locale, pagg. 109-126, G. Poletti (a cura di) Collana Verità Provvisorie. Volta la Carta, Ferrara
- Poletti G. (2017). Tecnología y aprendizaje para la ciudadanía en un mundo que cambia, in Identidades culturales y educación, pagg. 237-259, González Pérez T. (a cura di). Tirant Humanidades, Valencia
- Poletti G. (2017). Educare alla cittadinanza digitale, la democrazia al tempo della rete, in

Processi formativi di costruzione della democrazia Esperienze nel mondo globale, pagg. 191-206, Ganino G. (a cura di) Collana Verità Provvisorie. Volta la Carta, Ferrara

- Poletti (2018). Tecnologie e ricerca pedagogica: strumenti per una valutazione qualitativa dei dati. Dal dato all'informazione nella ricerca pedagogica. In: (a cura di): Manuele De Conti, Principi e metodologie della ricerca qualitativa in pedagogia. p. 143-160, Edizioni Volta la Carta, Ferrara
- Poletti Giorgio (2019). Giocare e studiare. Lo sviluppo del pensiero computazionale. In: (a cura di): A. Bonafin, Giocando s'impara. Per una pedagogia del gioco. p. 145-166
- Poletti Giorgio (2019). La parola agli insegnanti Raccogliere e analizzare dati per avere informazioni. In: (a cura di): Anita Gramigna, Dipendenza da Internet - Stili cognitivi e nuove criticità nell'apprendimento. p. 71-106, Canterano (RM): Aracne editrice

Articles in magazines

- Poletti G, Pederzoli M. (2003). Lo studio dei periodici teatrali in rete: il progetto "OT" (Officine Teatrali) - Culture Teatrali – studi, interventi e scritture sullo spettacolo (rivista diretta da Marco de Marinis), n.7/8, autunno 2002 – primavera 2003. Edizioni Cartografica Ferrara. Sezione progetti.
- Poletti G. (2004). Dal dato all'informazione: il datawarehouse nella valutazione economica. I data base come supporto alle decisioni e linguaggi per la strutturazione della conoscenza, Sistemi informativi geografici – Manuale e casi di studio città e territori a cura di Maria Adele Teti – FRANCOANGELI/Urbanistica. Milano.
- Poletti G. (2012). Describe the documents from the search for the word to search for meaning, Journal of e-Learning and Knowledge Society, Vol 8, No 2, Hosted by Laboratory of Maieutics, University of Trento
- Poletti G. (2015) Trends di sviluppo di strumenti e tecnologie educative, FORMAZIONE & INSEGNAMENTO - Rivista internazionale di Scienze dell'educazione e della formazione, Anno XII - Numero 3 - 2015, Pensa Multimedia, Lecce.
- Poletti G., Gramigna A.(2016) Un Robot a scuola. Epistemologia ed esperienza, FORMAZIONE & INSEGNAMENTO - Rivista internazionale di Scienze dell'educazione e della formazione, Anno XIV - Numero 3 - 2016, Pensa Multimedia, Lecce.
- Poletti G., Gramigna A. (2017) La formazione post-disciplinare per abitare la città, Filosofia. Revista da Faculdade de Letras, Universidade do Porto, II Série XXXIV 2017, U.Porto, Porto.
- Poletti G., Gramigna A.(2019) Luoghi formativi: dall'agorà alla cittadinanza digitale, FORMAZIONE & INSEGNAMENTO - Rivista internazionale di Scienze dell'educazione e della formazione, Anno XVII - Numero 1 - 2019, Pensa Multimedia, Lecce.
- Gramigna, Anita, Poletti, Giorgio (2019). Apocalisse e riscatto. L'educazione dei giovani di fronte al rischio globale. STUDIUM EDUCATIONIS, vol. 2, p. 19-32

In conference proceedings

- Poletti G, Ganino G.(2004). Strutturazione di contenuti per audiovisivi reticolari: l'esperienza CaridTV. Atti di EXPO E-Learning 2004 – e-learning: qualità didattica e knowledge management. Omnicom Editore. Ferrara.
- Poletti G, Artioli GP, Fogli R, Baldes F.(2005). Una metodologia riusabile, per "Comunicare COMpartecipazione" SIGMA TER con un PASSAPAROLA emotivo positivo. Atti di EXPO 2005, e-learning: protagonista dello sviluppo della società della conoscenza. Tecomproject Editore Multimediale - Omnicom Editore. Ferrara.
- Poletti G, Frignani P, Pedroni M, La Vecchia L. (2006). "Dal forum strutturato all'ambiente di strutturazione della conoscenza". Convegno "Progettare e-learning: processi, materiali, connettività, interoperabilità e strategie" – Macerata, 7-9 giugno 2006
- Poletti G, Frignani P, Pedroni M.(2006). Dynamic representation of knowledge context's structure. Atti IV international conference on multimedia and information and communication technologies in education - 22-25 November 2006. Seville, Spain.
- Poletti G. (2006). Multimedia: virtual instruction, real learning. Atti IV international conference on multimedia and information and communication technologies in education" - 22-25 November, 2006. Seville, Spain.
- Poletti G, Frignani P. (2007). An e-learning Model for Universities. In Book of Abstracts and Electronic Proceedings of the EDEN 2007 Annual Conference, Naples, Italy (Pag. 182).
- Poletti G, La Vecchia L. (2009). Mappe concettuali e valutazione nei contesti e-learning. Le nuove sfide della ricerca didattica tra saperi, comunità sociali e culturali (Atti del VI Congresso Scientifico SIRD – Roma 11-13 dicembre 2008). Monolite Editore. Roma.
- Poletti G. (2012). From classroom computer to computer in the classroom "HandBookS" to learn and share. Atti di ICONTE-2010 International Conference on New Trends in Education and Their Implications (11-13 November 2010 Antalya-Turkey).

- Poletti G. (2015). Work in Progress: mobile technology for teaching in higher education. IEEE Conference Publications, Global Engineering Education Conference (EDUCON), 2015 IEEE, Pages: 789 - 792, DOI: 10.1109/EDUCON.2015.7096061
- Poletti G. (2015). MOOC and OER for lifelong learning between formal and informal in Abstract 6th Nordic Conference on Adult Education and Learning - Adult Education and the Planetary Condition.
- Poletti G. (2015). MOOC and OER: distributed systems for innovation in teaching and learning, in S. Carliner, C. Fulford & N. Ostashewski (Eds.), Proceedings of EdMedia: World Conference on Educational Media and Technology 2015 (pp. 681-686), Association for the Advancement of Computing in Education (AACE)
- Poletti G. (2016). Tecnologías didácticas entre trend (tendencia) e innovación, in T. Ramiro-Sánchez, T. Ramiro, Avances en Ciencias de la Educación y del Desarrollo, 2016, Editado da Asociación Española de Psicología Conductual (AEPC), Granada, ISBN: 978-84-617-6294-

Edited

- Poletti G, Andronico A, Frignani P. (2004). ATTI di DIDAMATICA 2004 – e-learning: qualità didattica e knowledge management - Omnicom Editore, Ferrara.
- Poletti G, Galliani L, Frignani P, Giacomantonio M. (2005). ATTI di EXPO 2005, e-learning: protagonista dello sviluppo della società della conoscenza, Tecomproject Editore Multimediale - Omnicom Editore. Ferrara.
- Poletti G. (2017). Il patrimonio dell'Intercultura tra metodo e strumenti. Il dialogo tra globale e locale. Collana Verità Provisorie. Volta la Carta, Ferrara

Speaker and Chairman of the Conferences

The main conferences I attended as a speaker or chairman:

- Didamatica 2004 (Ferrara 10-12 maggio 2004) chairman in open session
- Didamatica 2005 (Potenza 12-14 maggio) chairman of the round table "Evaluation and certification of e-Learning processes"
- Expo e-Learning 2004 (Ferrara 9-12 ottobre 2004)
 - relatore: "Strutturazione di contenuti per audiovisivi reticolari: l'esperienza CaridTV" con Giovanni Ganino
 - chairman della sessione "La multimedialità come strumento di interazione online"
- Expo e-Learning 2005 (Ferrara 6-8 ottobre 2005)
 - chairman della sessione di studi "Scuola e Formazione Professionale"
 - relatore "Una metodologia riusabile, per "Comunicare COMpartecipazione" SIGMA TER con un PASSAPAROLA emotivo positivo" con Gian Paolo Artioli, Rosa Fogli, Flavio Baldes
- 2° Congresso CONVEGNO Sle-L (Firenze 9-11 novembre 2005)
 - relatore " BLOG e RSS condivisione e diffusione dei saperi: una didattica che lascia traccia"
 - relatore "Modelli didattici per l'istruzione a distanza in medicina: Una riflessione sull'uso di ontologie in corsi e-learning di medicina" con Paolo Frignani e Loredana La Vecchia
- V Congresso scientifico SIRD (Bologna 15-16-17 dicembre 2005), La ricerca didattica per la formazione degli insegnanti, relatore con il contributo dal titolo "Strutturazione della conoscenza, dati e informazione a supporto della valutazione".
- Relatore al convegno "E-learning: esperienze dall'università pubblica". 1 Dicembre 2005, Università di Salerno, Facoltà di Lettere e Filosofia, Fisciano
- Relatore al convegno "Saperi, competenze e nuove tecnologie" (corso di formazione per docenti). 19-20 ottobre 2006 – Crotone
- MoodleMoot Italia 2007, "e-learning, gestione e condivisione della conoscenza" (Reggio Emilia, 22-23 Marzo 2007)
- Convegno Nazionale SIREM (Società Italiana di Ricerca sull'Educazione Mediale) Padova 7-8 maggio 2008
- MoodleMoot Italia 2008, (Padova, 9-10 Maggio 2008)
- MoodleMoot Italia 2009, (Torino, 8-9 Maggio 2009)
- Convegno "10 ANNI DI RICERCA EDUCATIVA IN ITALIA. Analisi storica, innovazione didattica, decisioni istituzionali." (Roma 24 e 25 febbraio 2010):
 - relatore "Dall'aula informatica all'informatica in aula"
 - relatore "Artefatti cognitivi come interfaccia tra prassi didattica e processi di apprendimento"
- ICONTE-2010 "International Conference on New Trends in Education and Their Implications" (11-13 November, 2010 Antalya-Turkey):
 - Accettato il paper "From classroom computer to computer in the classroom"

- “HandBookS” to learn and share” e relatore allo stesso convegno
- VIII Congresso Nazionale Sle-L (Reggio Emilia 14-16 settembre 2011)
 - Chair della Web Session Metodologia e Media
 - Chair della Web Session Media
 - Chair Session Tecnologie
- Congresso SIREM 2012 (Milano, 5-6 giugno 2012, Università Bicocca)
 - relatore (Sessione 4 – Artefatti, ambienti, applicazioni) “Mobile applications per la didattica museale” (con G. Toscano)
- IEEE EDUCON 2015, Global Engineering Education Conference, Tallin 18-20 March
 - relatore, “Work in Progress: mobile technology for teaching in higher education”, session 4B - Work in progress
 - chair in session 9C: “Full Papers”
- IEEE EDUCON 2015, Global Engineering Education Conference, Tallin 18-20 March 2015
 - relatore, “Work in Progress: mobile technology for teaching in higher education”, session 4B - Work in progress
- 6th Nordic Conference on Adult Education and Learning - Adult Education and the Planetary Condition (2015), Tampere 25-28 march 2015
 - relatore “MOOC and OER for lifelong learning between formal and informal”, session ICT & ADULT EDUCATION
- World Conference on Educational Media and Technology (Montreal, Canada, June 22-24, 2015,
 - relatore “MOOC and OER: distributed systems for innovation in teaching and learning” (Virtual Brief Paper)
- EM&MItalia2015 e-learning, Multiconferenza Italiana su e-Learning, Media Education e MoodleMoot (Genova 9-11 settembre 2015)
 - Chair della sessione “*Moodle nella didattica universitaria*”
- 4th International Congress of Educational Science and Development, (Santiago de Compostela 23-25 June 2016)
 - Relatore “Tecnologías didácticas entre trend e innovación” nel simposio invitato “Nuevas tecnologías en la investigación educativa” (Responsabile scientifica prof.ssa Anita Gramigna, Università di Ferrara)
- Estanzia de Investigación presso il CEINCE (CEntro INternacional de la Cultura Escolar), Berlanga de Duero. Didattica e ricerca sulle nuove tecnologie. 23/07-23/08 2016
- Seminario internazionale su l’Intercultura CEINCE (CEntro INternacional de la Cultura Escolar), Berlanga de Duero, 12-14 settembre 2016
 - Relatore “Tecnologia e Intercultura”
- ICL2017 - International Conference on Interactive Collaborative Learning , Teaching and Learning in a Digital World, 26-29 September 2017 (Budapest)
 - Relatore “Problems and Educational Responses in the Age of Digital Technologies - Educational Robotics Like Pedagogical Philosophy”
- Philosophy of the city 2017 Universidade de Porto (Portugal) - Faculdade de Letras , 11-13 October 2017 Porto
 - Relatore “Agora: Between Myth and Symbol”
- 2019 International Conference on Soft Computing & Machine Learning(SCML2019) - April 26th-29th, Wuhan, China
- Invited Speaker Regarding “Robotics for education between learning for error and knowledge building”

Institutional and research assignments

- From 1 March 2006 to 29 February 2008 holder of a collaboration contract for research activities at the University of Ferrara, at the CARID Department (University Center for Research and Didactic Innovation), in the scientific disciplinary sector M -PED / 04 with a research on “Structural models of Learning objects and interactive functionalities for online training”.
- From 01/07/2008 to 31/05/2015 research fellow at the Department of Human Sciences, Faculty of Letters and Philosophy of the University of Ferrara; title of the check “Structured models of Learning Objects and interactive functionality for online training” (M-PED / 04 Experimental Pedagogy, responsible Prof. Paolo Frignani)
- From 01/06/2016 to 31/05/2016 research fellow at the Department of Human Sciences; title of the check “Structured models of Learning Objects and interactive functionality for online training” (M-PED / 01 Head of Dr. Elena Marescotti)
- From 01/06/2017 research fellow Research title: Design and implementation of interactive

- and multimedia tools to support learning and teaching optimization processes (M-PED / 01 Manager Prof.ssa Anita Gramigna)
- Since 2012, head of the IT and multimedia area of the Se @ (Center for Technologies for Communication, Innovation and Distance Learning), of the University of Ferrara
 - From 2009 to 2012 Faculty Delegate (Faculty of Letters and Philosophy - University of Ferrara) for e-learning
 - From 2013 to 2016 member of the University Sustainability Commission, University of Ferrara
 - From 22 March 2016 Cultivator of the Matter for the scientific disciplinary sector M-PED / 01, at the Department of Humanities of the University of Ferrara, on the proposal of Prof. Anita Gramigna, director of the Laboratory of Epistemology of Education.
 - From 15/05/2015 to 15/06/2015 research period at ULL (Universidad de La Laguna - San Cristóbal de La Laguna Santa Cruz de Tenerife - España) with the supervision of Prof. Teresa González Pérez, analyzing and studying didactic research methodologies
 - From 23/06/2016 to 23/07/2016 research period at the CEINCE (Centro Internacional de la Cultura Escolar) - Berlanga de Duero, Soria, España on the theme of technology in educational processes, as it was developed in the texts
 - From 1/06/2017 to 31/07/2017 research period at the Universidad de Granada - Facultad de Ciencias de la Educación on the topic of educational robotics
 - Lecture and workshop on the topic "Integrated technologies for an effective teaching-learning process" at the Universitat de València during the "Corrientes Contemporáneas de la Educación" of Prof. Pablo Álvarez Domínguez of the Department of Theory of Education.
 - Member since July 2018 of the "Arcoiris" research group, at the University of Ferrara, directed by Prof. Anita Gramigna whose area of investigation is "Knowledge and Training Processes and Technologies".
 - From 12/11/2018 to 23/11/2018 visiting professor at USAC (Universidad de San Carlo de Guatemala)
 - From 14/11/2019 to 28/11/2019 visiting professor at USAC (Universidad de San Carlo de Guatemala)

Research Projects and Interests

I am interested in knowledge structuring, XML based ontologies and metalanguages, learning object design and production. In particular, as regards the Learning Objects, he is concerned with the structuring of the interactive scheme by focusing attention on the learning processes. In this context, attention has been paid and will be refined with a view to usability, accessibility and quality.

In recent years, I have focused on the use of mobile and augmented reality technologies in the field of training and information.

The research that I have undertaken before at CARID, then at the Department of Human Sciences and currently at Se@, and which I would like to develop are related to research, development and production of models with the following specifications:

- definition of models for the creation of multimedia and interactive tools to support teaching, scientific dissemination and lifelong learning and situations;
- structuring models for multimedia and interactive content and cognitive maps;
- blog as an object of interactive teaching and knowledge sharing according to an ontological scheme;
- problem solving and simulation development and design environments for teaching;
- Learning Objects models for online and mobile learning.

In this research context I participated in the PRIN (Research Project of National Interest) 2003 entitled "e-learning in university education. didactic models and pedagogical criterion "lasting 2 years in particular in relation to some of the research objectives:

- analysis of the technological models implicit in the various software platforms for e-Learning and identification of Open Source languages and tools that can be developed, following the international standards dictated by the W3C;
- analysis and highlighting of Web-Usability and accessibility,
- identification and regeneration of pedagogical models for "on site - on line" teaching in order to plan learning environments "closed and open" simultaneously on these scientific bases. The design of access to resources through the interoperability (XML) of materials;
- hypothesis of ways of assembling Learning Objects, so that both the categorical approach and the free search for information can construct and explicit implicit and natural cognitive paths;
- elaborate concept maps to represent knowledge, study Web-Semantics and research on the

- ontological subject of disciplinary curricula, analyze and develop software and languages (XML, RDF or DAML + OIL), for the standardization of terms and the production of Thesauri
- development of technologies for the distribution of documents on mobile
- research and design of cognitive interfaces for digital, interactive and multimedia artefacts for classroom teaching, in context and for training in Life-wide Learning context.

In the context of the research I worked in PRIN 2006 "*Ontologies, learning objects and communities of practices: new educational paradigms for e-learning*" in the CARID group (University of Ferrara) to deepen the study of the representation of knowledge in a "narrative-dialogic form" "in professional and educational blogs through a" semantic marking "mediated both by the domain ontologies developed locally and by those from other research groups (CARID group of the University of Ferrara coordinated with Padua).

The aim of this research is that of creating and making available a structured repository of concepts accessible regardless of the language used and the community of origin.

The research program also includes the design and development of a tool to support the KM of "virtual" academic sciences communities of the primary education, able to manage knowledge according to the ontology described. The previous phases of the project will create and implement blended operational and training courses for teachers, supported and supported by the defined "regional ontology".

Scientific committees

- Scientific Coordination of the DIDAMATICA 2004 conference, Ferrara (10-12 May 2004)
- Scientific coordination of Expo e-Leraning 2004 (Ferrara 9-12 October 2004)
- Member of the scientific committee of the I congress Sle-L Fiera di Genova (25-26 November 2004)
- Member of the scientific committee of DIDAMATICA 2005 Potenza (12-15 May 2005)
- Scientific coordination of Expo e-Leraning 2005, Ferrara (6-8 October 2005)
- Member of the Program Committee of "Information Resources Management Association International Conference 2005" - "Managing Modern Organizations with Information Technology", San Diego, California, USA May 15-18, 2005
- Reviewer of Je-LKs magazine, Edizioni Centro Studi Erickson
- Member of the scientific committee of DIDAMATICA 2006 Cagliari (11-13 May 2006)
- Member of the scientific committee of the III Sle-L congress Rome (12-13-14 July 2006)
- Member of the Program Committee / Reviewers of Information Resources Management Association International Conference 2007 (IRMA - 2007) - "Managing Worldwide Operations and Communications with Information Technology", Vancouver, British Columbia, Canada, May 19-23, 2007
- Member of the scientific committee of DIDAMATICA 2007 Cesena (10-12 May 2007)
- Member of the scientific committee of MoodleMoot Italia 2007, "e-learning, management and sharing of knowledge" (Reggio Emilia, 22-23 March 2007)
- Member of the Board of Auditors of DIDAMATICA 2008 Taranto (28-29-30 April 2008)
- Member of the Scientific Committee of DIDAMATICA 2009 Trento (27-28-29 April 2009)
- Member of the Scientific Committee of DIDAMATICA 2010 Rome (21-22-23 April 2010)
- Member of the board of auditors of "Journal of e-Learning and Knowledge Society" (<http://www.je-lks.it>)
- Member of the Scientific Committee of DIDAMATICA 2011 Turin (4-5-6 May 2011)
- Member of the Scientific Committee and Program VIII National Conference Sie-L (Italian e-Learning Society) Reggio Emilia (14-16 September 2011)
- Member of the BarCamp Committee at the VIII National Conference Sie-L (Italian e-Learning Society) Reggio Emilia (14-16 September 2011)
- Member of the Reviewers Committee at the VIII National Conference Sie-L (Italian e-Learning Society) Reggio Emilia (14-16 September 2011)
- Member of the Scientific and Audit Committee of DIDAMATICA 2012 Taranto (14-15-16 May 2012)
- Member of the Scientific and Audit Committee of DIDAMATICA 2014 Naples (7-8-9 May 2014)
- Member of the Board of Auditors at the VIII SIREM National Conference (Italian Society of Research on Media Education) - Sie-L (Italian e-Learning Society) Perugia (13-14-15 November 2014)
- Member of the Editorial Advisory Board of the "Encyclopedia of Information Communication

- Technology" of Idea-Group Reference
- Reviewers of the journal Je-LKS (Journal of e-Learning and Knowledge Society, The Italian e-Learning Association Journal) - ISSN (online) 1971 - 8829 | ISSN (paper) 1826 - 6223
 - Paper reviewer for the 2012 IEEE International Conference on Teaching, Assessment, and Learning for Engineering (TALE 2012)
 - Member of the College of Referees of the magazine "Sciences and Research" ISSN 2283-5873
 - President of Jury, Robocup Jr Pontedera (PI) competitions 9-12 April 2014 (National Race of Educational Robotics), in collaboration with the Institute of BioRobotics of the Sant'Anna High School of Pisa
 - Member of the Editor Review Board of the "International Journal of Digital Literacy and Digital Competence" (IJDLC - <http://www.igi-global.com/journal/international-journal-digital-literacy-digital/>) of IGI Global
 - Reviewer of the open journal "International Journal of Learning, Teaching and Educational Research" (IJELTER - <http://ijlter.org/>)
 - Member of the Jury of the "National Award of Scientific Dissemination" 2014, Italian Book Association (<http://www.associazioneanadellibro.it/>)
 - • Member of the Jury of the "National Award of Scientific Dissemination" 2015, Italian Book Association (<http://www.associazioneanadellibro.it/>)
 - • Member of the Auditors' Committee and DIDAMATIC Scientific Committee 2015 Genoa (15-16-17 April 2015)
 - • President of Jury, Robocup Jr Milan races 8-11 April 2015 (National Race of Educational Robotics)
 - Member of the MoodleMoot 2015 promoting committee (Genoa, 9-11 September)
 - Member of the scientific committee of EM & MITALIA2015, Italian Multiconference on e-Learning, Media Education and MoodleMoot - Genoa 9-11 September 2015
 - Member of the "working group" of the EDUOPEN project, as part of the protocol of understanding with the Universities of Bari, Foggia, Salerno, Modena and Reggio Emilia, Parma, Genoa and Eastern Piedmont (letter Prot. 17203 , of 23 June 2015, University of Ferrara, Legal and Institutional Affairs Division, Conventions and Consortia Office)
 - Member of the promoting committee of MoodleMoot Italia

Scientific societies

- Member of **Sle-L** (Italian e-Learning Society) and member of the Steering Committee
- Member of **SIRD** (Italian Educational Research Society)
- Member of **SIREM** member (Italian Society for Research on Media Education)
- Member and Founding Member of **AIUM** (Italian Moodle Users Association - Italian Moodle Users Association)
- **SIREF** member (Italian Society of Educational and Training Research)