

CURRICULUM VITAE

SURNAME AND NAME	GABRIELLA OLMO
Home Address	
Phone number	
Fax number	
E-mail address	
Nationality	
Birth date	

Academic Position

Qualification/Title	Associate Professor
University	Politecnico di Torino
Department	Dipartimento di Automatica e Informatica
Academic Field (if the candidate holds a position in an Italian University, she/he should insert the "Settore Concorsuale")	09/F2 Telecomunicazioni
Academic Discipline (formally named "Settore Scientifico Disciplinare", only for candidates who hold a position in an Italian University)	ING-INF/03

Working experience

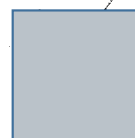
Dates	From 1/10/2002 to present
Name and address of the Employer	Politecnico di Torino, Corso Duca degli Abruzzi 24, Torino, Italy
Position held	Associate Professor, Dipartimento di Elettronica e Telecomunicazioni SSD ING-INF/03 "Telecomunicazioni" (since November 2017: same position, Dipartimento di Automatica e Informatica)
Main activities/responsibilities	Current teaching responsibilities: - Analisi dei Segnali (Signal Analysis), BS degree in Biomedical Engineering (Corso Di Laurea In Ingegneria Biomedica) - Telemedicina (Telemedicine), MS degree in Biomedical Engineering (Corso Di Laurea Magistrale In Ingegneria Biomedica) Research activities/responsibilities: - Responsible for research activities in signal processing for biomedical applications

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Dates	From 1/11/1995 to 30/9/2002
Name and address of the Employer	Politecnico di Torino, Corso Duca degli Abruzzi 24, Torino, Italy
Position held	Assistant Professor ("Ricercatore Universitario"), Dipartimento di Elettronica e Telecomunicazioni SSD ING-INF/03 - TELECOMUNICAZIONI
Main activities/responsibilities	Main teaching responsibilities: - Teaching assistant for several courses in the MS degree in Electronic Engineering (Corso Di Laurea in Ingegneria Elettronica) and Telecommunications Engineering (Corso di Laurea in Ingegneria delle Telecomunicazioni). Main topics: Signal Analysis, Image and Video Coding Research activities/responsibilities: - Responsible for research activities and projects on image and video coding for telecommunications, multimedia and signal processing

Dates	From 01/01/1991 to 31/10/1995
Name and address of the	Politecnico di Torino, Corso Duca degli Abruzzi 24, Torino, Italy
Position held	Technician ("Collaboratore tecnico"), Dipartimento di Elettronica e Telecomunicazioni SSD ING-INF/03 - TELECOMUNICAZIONI
Main activities/responsibilities	Cooperation in research activities with telecommunication group

Dates	From 1/12/1986 to 10/31/1988
Name and address of the Employer	CSELT (Centro Studi e Laboratori Telecomunicazioni) now TILab, Via Reiss Romoli 274, Torino, Italy
Position held	Researcher
Main activities/responsibilities	Research in the telecommunications fields (mainly mobile communications)



Education and Training

Date	10/13/1986
Institution which issued the degree	Politecnico di Torino
Type of Degree	MS in Electronic Engineering ("Laurea in Ingegneria Elettronica"), "summa cum laude"

Date	07/04/1992
Institution which issued the degree	Politecnico di Torino
Type of Degree awarded	PhD ("Dottorato di Ricerca") in Electronic Engineering

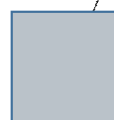
Date	25/10/2016
Institution which issued the degree	Università degli Studi di Torino
Type of Degree awarded	MS in Medicine and Surgery ("Laurea magistrale in Medicina e Chirurgia"), first class honours (score of 110/110), dissertation recommended for publication

Date	1987
Institution which issued the degree	Politecnico di Torino
Type of Degree awarded	Qualification to practice as an Engineer ("Esame di Stato per l'abilitazione all'esercizio della professione di Ingegnere")

Date	27/2/2017
Institution which issued the degree	Università degli Studi di Torino
Type of Degree awarded	Qualification to practice as a Physician ("Esame di Stato per l'abilitazione all'esercizio della professione di Medico Chirurgo"), score of 265.5/270

RESEARCH INTERESTS

- Signal Processing for medical applications
 - Gait analysis with inertial sensors
 - Analysis of magnetically and electrically stimulated muscular signals
 - Analysis of EEG/ECG/EMG data
- Translational medicine
 - ICT support for improving management of Parkinson disease
 - ICT support for Multiple Sclerosis follow-up
 - ICT support for managing frailty in elderly people
 - Data mining for better disease modelling
- Analysis of bio-molecular images
 - Fluorescent microscopy images of microtubules
 - Genesis of microcephaly
- Image and Video processing



- Multimedia data encoding
- Lossy/lossless/near-lossless still image compression
- Multimedia encoding for transmission in noisy environment
- Resilient video encoding and video concealment
- Joint source-channel encoding
- Distributed source coding with applications to remote sensing images (SAR- hyperspectral)

Coordination of research and technology transfer groups and projects.

- She has funded and has been responsible of IPL, a research group on topics related to image and video coding, multimedia resilient communications, wireless image and video transmission, remote sensing image compression. The group is part of the Telecommunication group at the Department of Electronic and Telecommunications of Politecnico di Torino
- Since 2009, driven by the will of focusing her activities in the biomedical field and to start multidisciplinary activities in this field, she has progressively left the IPL group direction and activities to other colleagues, and dedicated to the study of medicine and surgery, achieving the Master's Degree and qualification to practice as a Surgeon. She has planned contacts and started cooperation in the medical research environment with: Neuroscience Institute Cavalieri Ottolenghi (www.nico.it, Turin); Molecular Biotechnology Center of University of Turin (www.mbc.unito.it); Center for Neuroscience and Cognitive Systems of Italian Institute of Technology (IIT), Rovereto (TN); Azienda Ospedaliera-Universitaria San Luigi Gonzaga, Orbassano; Azienda Ospedaliero-Universitaria Città della Salute e della Scienza di Torino, Struttura, Complessa di Neurologia 1U.
- Since December 2017, she is enrolled at the Department of Control and Computer Engineering, where she is going to set up research in the field of biomedical engineering
- Main national and international relationships: Ecole Polytechnique Fédérale de Lausanne (EPFL) (prof. Kunt, prof. Thiran, prof. Ebrahimi): joint research activities and projects, exchange of PhD and graduate students, common participation to the HeliNet project, joint organization of the EUSIPCO 2008 conference. University of California at San Diego, Center for wireless communications (Prof. Cosman, Prof. M. Gerla): joint research activities, exchange of PhD students, common participation to the SEA FP7 project. University of New South Wales, Sydney (prof. Taubman): joint research activities, exchange of PhD students, common participation to the PRIMO FIRB project. University of California, Los Angeles (Prof. Gerla): joint research activities and projects on topics related to P2P IPTV, exchange of PhD students. Numerous other scientific cooperations (with EURECOM, ENST, Technical University of Munich, Chalmers University of Technology, University of Surrey, IMEC) stemming from the participation to the NEWCOM and NEWCOM++ Networks of Excellence. Neuroscience Institute Cavalieri Ottolenghi (Prof. Alessandro Vercelli, Prof. Ferdinando Di Cunto): joint research in neuroscience topics. Azienda Ospedaliero-Universitaria San Luigi Gonzaga (prof. Antonio Bertolotto): research on multiple sclerosis. Azienda Ospedaliero-Universitaria Città della Salute e della Scienza di Torino, Struttura, Complessa di Neurologia 1U (prof. Leonardo Lopiano): research on Parkinson's disease. Istituto Italiano di Tecnologia (dott. Vito De Feo): research on minimal consciousness conditions.
- Supervision of PhD students (Dottorato di Ricerca):
 - Marco Grangetto, "Reliable delivery of images in error prone environment", PhD In Electronics and Communications Engineering (Dottorato in Ingegneria Elettronica e delle Comunicazioni), 2000-2003 [Currently Associate Professor at University of Turin, Faculty of Informatics]
 - Tammam Tillo, "Multiple description coding for multimedia wireless communications", PhD In Electronics and Communications Engineering (Dottorato in Ingegneria Elettronica e delle Comunicazioni), 2002-2005 [Currently Associate Professor at Libera Università di Bolzano, Faculty of Informatics]
 - Barbara Penna: "Remote sensing image compression", PhD In Electronics and Communications Engineering (Dottorato in Ingegneria Elettronica e delle Comunicazioni), 2002-2005

- Luca Merello, "Improvements on Intra coding for H.264", PhD In Electronics and Communications Engineering (Dottorato in Ingegneria Elettronica e delle Comunicazioni), 2003-2006
- Enrico Baccaglini, "Scalable Multiple Description Coding for heterogeneous multimedia delivery networks", PhD In Electronics and Communications Engineering (Dottorato in Ingegneria Elettronica e delle Comunicazioni), 2004-2007
- Pasquale Cataldi: "Study and design of digital fountain codes for multimedia applications", PhD In Electronics and Communications Engineering (Dottorato in Ingegneria Elettronica e delle Comunicazioni), 2005-2008

- Supervision of Post-Doc students

- Dr. Marco Grangetto: From 1 Feb. 2003 to 28 Feb. 2006: Post-Doc position ("contratto di collaborazione Giovani Ricercatori"); funds: FIRB project "PRIMO" (Piattaforme riconfigurabili per interoperabilità in mobilità) funded by Ministero dell'Istruzione, dell'università e della Ricerca scientifica. From 1 March 2006 to 28 Feb 2007: Post-doc position ("assegno di ricerca"). Title: "Tecniche innovative di codifica di sorgente, con applicazioni al caso multimediale". Funds: NEWCOM: Network of excellence in wireless communications, VII Framework Programme of the European Union, and Research project PRIN 2005 "Codifica di Informazione Visiva in Modalità DSC (Distributed Source Coding)", Italian Ministry of Education and Research. From 1 March 2007 to 28 Feb 2008: Post-doc position ("assegno di ricerca"). Title: "Codifica di segnali multimediali per trasmissione su reti mesh" Funds: MEADOW: Mesh adaptive home wireless nets, Italian Ministry of Education and Research grant. From 1 March 2008 to 31 Dec 2008: Post-doc position ("assegno di ricerca"). Title: "Applicazioni video su reti P2P". Funds: FP7-SEA (ICT-1.5-Networked Media – 214063) Seamless Content Delivery. From March 2010 to 2011: research grant "Sviluppo di piattaforma Planet-lab per l'analisi di applicazioni peer-to-peer per lo streaming video funded on FP7-ICT- 248036 COAST "Content Aware Searching, retrieval and streaming"
- Dr. Barbara Penna. From 1 March 2006 to 31 Aug. 2006: Post-doc position ("assegno di ricerca"). Title: "Tecniche innovative di codifica di sorgente, con applicazioni al caso multimediale". Funds: NEWCOM: Network of excellence in wireless communications, VII Framework Programme of the European Union. From 1 Sept. 2006 to 31 Aug. 2007: Post-doc position ("assegno di ricerca"), and from 1 Sept. 2007 to 30 Nov. 2007: research grant "Algoritmi per la compressione di dati telerilevati iperspettrali e SAR e confronti con gli algoritmi standard", Research grant Regione Piemonte E3. From 1 Dec. 2007 to 31 Dec. 2007: research grant "Codifica distribuita di sorgenti video multiple". Funds: Research project PRIN 2005 "Codifica di Informazione Visiva in Modalità DSC (Distributed Source Coding)", Italian Ministry of Education and Research. From 1 Jan. 2008 to 31 Dec. 2008: Post-doc position ("assegno di ricerca"). Title: "Applicazioni video su reti P2P". Funds: FP7-SEA (ICT-1.5-Networked Media – 214063) Seamless Content Delivery.
- Dr. Tammam Tillo. From 1 Jan 2007 to 31 Dec. 2007: Post-doc position ("assegno di ricerca"). From 1 Jan 2008 to 31 Dec. 2008: Post-doc position ("assegno di ricerca"). Title: "Applicazioni video su reti P2P". Funds: FP7-SEA (ICT-1.5-Networked Media – 214063) Seamless Content Delivery.
- Dr. Enrico Baccaglini. From 1 Jan. 2007 to 31 Dec. 2007: Post-doc position ("assegno di ricerca"). From 1 June 2008 to 30 Sept. 2008: research grant "Testing e ottimizzazione di algoritmo di anomaly detection per sequenze endoscopiche; validazione congiunta delle prestazioni del compressore e della anomaly detection. Elaborazione dei risultati finali". Funds: "ricerca sanitaria finalizzata 2007" Regione Piemonte research grant. From 1 Oct. 2008 to 30 Sept. 2008: Post-Doc position ("assegno di ricerca"), "Codifica a descrittori

multipli e scalabilità per distribuzione di contenuti multimediali". Funds: Telecom Research Grant 587/2008

- Dr. Enrico Ferrera. From 1 Oct. 2008 to 30 Sept. 2008: Post-doc position ("assegno di ricerca"). Title: Codifica a descrittori multipli su SVC. funds: FP7-SEA (ICT-1.5-Networked Media – 214063) Seamless Content Delivery. Since 1 Nov. 2009 to 30 Oct. 2010: : Post-doc position ("assegno di ricerca"). Title: Funds: Research project "Sistemi e tecnologie per l'esplorazione spaziale" (Steps) - Regione Piemonte, Bando 2008- ricerca industriale e sviluppo sperimentale "aerospazio"
- Dr. Paolo Di Rico. From 1 June 2008 to 31 Aug. 2008: Research grant "Allestimento di un test-bed di simulazione di algoritmi avanzati di codifica video, con applicazioni alla codifica di sequenze endoscopiche". Funds: Progetto regionale di ricerca sanitaria finalizzata 2007 "Identificazione automatica di patologie nella diagnostica dell'endoscopia capsulare"
- Dr. Attilio Fiandrotti. From 15 Apr. 2010 to 14 March 2011: Post-doc position ("assegno di ricerca"). From 15 July 2011 to 14 June 2012: Post-doc position ("assegno di ricerca") "Protocolli di streaming P2P con supporto per codifica scalabile e content awareness, funded: FP7-ICT- 248036 COAST "Content Aware Searching, retrieval and streaming"
- Scientific responsibility in competitive National and International research projects, awarded through a peer-review process:
 - COAST: Content Aware Searching, retrieval and sTreaming, FP7-ICT-2009-4 research project funded by the European Union, years 2010-2012. Role: responsible for the Department of Electronics and Telecommunications, Politecnico di Torino.
 - NEWCOM++: Network of excellence in wireless communications, VII Framework Programme of the European Union, thematic priority Information Society Technology (IST), funded 6.6 M€, years 2008-2011. Role: participant (as part of CNIT - Consorzio Nazionale Interuniversitario per le Telecomunicazioni), responsible for Politecnico di Torino. Responsible of research activities in the field of wireless multimedia communications.
 - Sea: SEAmless Content Delivery, Seventh Framework Programme of the European Union(FP7), ICT Call 1, Challenge 1: "Pervasive and Trusted Network and Service Infrastructures", Objective 1.5: "Networked Media", instrument: small or medium-scale focused research project(STREP), funded 2.1 M€, years 2008-2009. Role: scientific responsible for Politecnico di Torino, member of the steering committee, leading research activities in the fields o: multiple description and scalable video coding, applications of digital fountain codes to video streaming, cross layer optimization (URL: https://cordis.europa.eu/project/rcn/85277_en.html).
 - MEADOW: Mesh adaptive home wireless nets, Italian Ministry of Education and Research grant, funded 3.5 M€, years 2006-2008. Role: member of the steering committee. Responsible for research activities on wireless transmission.
 - NEWCOM: Network of excellence in wireless communications, VI Framework Programme of the European Union, thematic priority Information Society Technology (IST), funded 8 M€, years 2004-2006, prime contractor Politecnico di Torino. Role: administrative and scientific coordinator for Politecnico di Torino, and scientific responsible for activities related to wireless multimedia communications. Scientific coordinator of Department 4 on "Digital architectures" (URL: newcom.ismb.it).
 - PRIMO: Reconfigurable platforms for broadband wireless communications, Italian Ministry of Education and Research grant, funded 11.2 M€, years 2001-2005. Role: member of the steering committee. Responsible for research activities on wireless multimedia applications (URL: primo.ismb.it).
 - CERCOM: (Center of Excellence in Wireless Communications), Italian Ministry of Education and Research grant, funded 1.2 M€, years 2000-2004. Role: deputy

coordinator; member of the steering committee; responsible for research activities on the physical layer design of beyond 3G wireless networks (URL: www.cercom.polito.it).

- "Advanced techniques and international standards for image and data compression on board of remote sensing platforms" ("Tecniche avanzate e standard internazionali per la compressione di immagini e dati a bordo di piattaforme per telerilevamento"), Regione Piemonte research grant 2004. Role: scientific and administrative coordinator.
- DSC: Distributed Coding of Multiple Video Sources ("Codifica distribuita di sorgenti video multiple"), Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale 2005 (PRIN2005), Italian Ministry of Education and Research. Role: scientific responsible for Politecnico di Torino.
- "Development and realization of advanced algorithms suitable for space applications for lossless and near-lossless compression of single-band and multi-hyperspectral optical data", Italian Space Agency grant, 2002-2003. Role: scientific coordinator.
- "Robust watermarking of multispectral images" ("Marchiatura robusta di immagini multispettrali"), Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale 2003 (PRIN 2003), Italian Ministry of Education and Research grant, 2003-2004. Role: scientific responsible for Politecnico di Torino.
- "Personal wideband communication systems based on satellites and stratospheric platforms" ("Sistemi di comunicazione personale a larga banda da satellite e piattaforma stratosferica"), Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale 2002 (PRIN 2002), Italian Ministry of Education and Research grant, 2002-2003. Role: participant.
- HeliNet: network of stratospheric platforms for traffic monitoring, environmental surveillance and broadband services, IST-1999-11214- V Framework programme of the European Union, 2000-2002 (URL: www.helinet.polito.it). Role: deputy coordinator; member of the steering committee, member of the coordination unit; responsible for scientific activities on remote sensing from aerial platforms.
- MARVEL: Micro Air Vehicles for multipurpose remote monitoring and sensing, V Framework programme of the European Union, years 2000-2003. Role: participant.
- "SAR data processing and compression", Italian Space Agency grant, year 2000. Role: scientific coordinator.
- PEC-SAR: advanced methods for raw SAR data compression, Cosmo Skymed programme of the Italian Space Agency, 2001-2002. Role: scientific and administrative responsible for Politecnico di Torino.
- CNRAED "National center of data reception, archiving and processing", Italian Space Agency grant, 2004. Role: member.
- ACHYDA: Advanced methods for lossless compression of hyperspectral data, European Space Agency grant, 2002-2003. Role: scientific coordinator for Politecnico di Torino.
- STEPS - Research project "Sistemi e tecnologie per l'esplorazione spaziale" - Regione Piemonte research grant, 2008. Role: member.
- "Algoritmi per la compressione di dati telerilevati iperspettrali e SAR e confronti con gli algoritmi standard", Research grant Regione Piemonte, 2008. Role: member.
- "Identificazione automatica di patologie nella diagnostica dell'endoscopia capsulare", regione Piemonte, research grant "Ricerca sanitaria finalizzata" 2007-2008. Role: responsible of the research.
- STEP2: Tecniche di streaming video per la trasmissione su reti peer-to-peer, Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale 2007 (PRIN 2007), Italian Ministry of Education and Research grant, 2007-2008. Role: national coordinator.

- Research contracts with industry in the period 2002-2015:
 - "Codifica a descrittori multipli e scalabilità per distribuzione di contenuti multimediali".
Funds: Telecom Research Grant 587/2008

National and international reputation and professional activity for the scientific community

- Associate editor: EURASIP Signal Processing
- Associate Editor: Signal, Image and Video Processing, Springer ed.
- IEEE Senior Member 2006-present
- Member of the organizing committee - publicity chair, EUSIPCO 2008
- Member of the technical committee of several major international conferences among which: IEEE ICIP, IEEE ICASSP, IEEE ICC, EUSIPCO, ACM Workshop on Mobile Video, IEEE International Symposium on Multimedia
- Member of the IEEE Communications Society and IEEE Signal Processing Society
- Member of the European Association for Signal Processing (EURASIP)
- Reviewer for several journals, including IEEE Transactions on Image Processing, IEEE Transactions on Communications, IEEE Transactions on Signal Processing, IEEE Transactions on Geoscience and Remote Sensing, IEEE Communications Letters, IEEE Signal Processing Letters, Signal Processing
- Two international patents, filed in 2006 and 2007 respectively
- Awarding of the Italian National Scientific Qualification for Full Professor position ("Abilitazioni Scientifiche Nazionali di I fascia"), academic field 09/F2 Telecomunicazioni
- Member of the "Società Italiana di Neurologia" (www.neuro.it), 2018

Teaching activity

Formal responsibility of Bachelor's (Laurea) and Master of Science's (Laurea Magistrale) degree courses in Italian and/or foreign universities

- *Telemedicina*, 2017/18, MS Degree in Biomedical Engineering, Politecnico di Torino (Laurea Magistrale in Ingegneria Biomedica)
- *Analisi dei segnali*, from 2014/15 to 2017/2018, BS Degree in Biomedical Engineering, Politecnico di Torino (Laurea in Ingegneria Biomedica)
- *Communication systems and DSP*, 2014/2015, Master of navigation and related applications, Politecnico di Torino (in English)
- *Elaborazione di immagine e video*, from 2014/2015 to 2013/14, BS Degree in Telecommunication Engineering, Politecnico di Torino (Laurea in Ingegneria delle Telecomunicazioni)
- *Codifica Video*, 2013/2014 and 2010/2011, MS Degree in Computer Engineering, Politecnico di Torino (Laurea Magistrale in Ingegneria Informatica)
- *Teoria ed elaborazione dei segnali*, 2013/2014, BS Degree in Computer Engineering, Politecnico di Torino (Laurea in Ingegneria Informatica). Student tutoring
- *Statistical signal processing and multimedia*, 2010/2011, MS Degree in Telecommunication Engineering, Politecnico di Torino (in English)
- *Transmission of multimedia signals over wireless networks*, from 2008/2009 to 2010/2011, MS Degree in Telecommunication Engineering, Politecnico di Torino (Laurea specialistica in Ingegneria delle Telecomunicazioni) (in English)
- *Elaborazione di immagine e video*, from 2007/2008 to 2009/2010, BS Degree in "Ingegneria del Cinema e dei mezzi di Comunicazione", Politecnico di Torino
- *Elaborazione di immagine e video*, 2002/2003, BS Degree in Telecommunication Engineering, Politecnico di Torino (Laurea in Ingegneria delle Telecomunicazioni)
- *Trattamento e trasmissione dati multimediali*, from 2006/2007 to 2009/2010, MS Degree in "Ingegneria del Cinema e dei mezzi di Comunicazione", Politecnico di Torino (in Italian)
- *Digital Image Processing*, from 2007/2008 to 2008/2009, Master of navigation and related applications, Politecnico di Torino (in English)
- *Trasmissione di segnali multimediali su reti wireless*, from 2004/2005 to 2007/2008, MS

Degree in Telecommunication Engineering, Politecnico di Torino (Laurea Specialistica in Ingegneria delle Telecomunicazioni)

- *Metodi di elaborazione dei segnali*, from 2004/2005 to 2006/2007, BS Degree in Computer Engineering, Politecnico di Torino (Laurea in Ingegneria Informatica)
- *Multimedia data transmission over wireless networks*, 2002/2003, MS Degree in Telecommunication Engineering, Politecnico di Torino (in English)
- *Multimedia signal transmission and video communications*, 2002/2003, MS Degree in Telecommunication Engineering, Politecnico di Torino (in English)
- *Teoria dei segnali*, from 2004/2005 to 2006/2007 and 2001/2002, BS Degree in Computer Engineering (Laurea in Ingegneria Informatica)
- *Teoria dei segnali*, from 2001/2002 to 2003/2004 BS Degree in Electronic Engineering, Politecnico di Torino (Laurea in Ingegneria Elettronica)
- *Teoria dei segnali*, 2002/2003, BS Degree in Physics Engineering, Politecnico di Torino (Laurea in Ingegneria Fisica)
- *Teoria dei segnali*, from 2001/2002 to 2002/2003, BS Degree in Computer Engineering, Politecnico di Torino (Diploma Universitario in Ingegneria Informatica)
- *Teoria dei segnali*, 1997/1998 and 2000/2001, BS Degree in Electronic Engineering, Politecnico di Torino (Diploma Universitario IN Ingegneria Elettronica)
- *Teoria dei segnali*, from 1998/1999 to 1992/1993, MS Degree in Electronic Engineering, Politecnico di Torino (Laurea in Ingegneria Elettronica)
- *Teoria dei segnali*, from 1996/1997 to 1997/1998, MS Degree in Telecommunication Engineering, Politecnico di Torino (Laurea in Ingegneria delle Telecomunicazioni)
- *Teoria dei segnali*, from 1993/1994 to 1997/1998, BS Degree in Telecommunications, Politecnico di Torino campus of Aosta (Laurea in Ingegneria delle Telecomunicazioni)
- *Elaborazione numerica dei segnali*, from 2002/2003 to 2003/2004, BS Degree in Telecommunication Engineering, Politecnico di Torino (Laurea in Ingegneria delle Telecomunicazioni)
- *Elaborazione numerica dei segnali*, from 1994/1995 to 1997/1998, BS Degree in Telecommunications, Politecnico di Torino campus of Aosta (Laurea in Ingegneria delle Telecomunicazioni)
- *Laboratorio di telecomunicazioni*, 2002/2003, BS Degree in Information Engineering, Politecnico di Torino (Laurea in Ingegneria dell'Informazione)
- *Codifica di Immagine e video*, 1999/2000 and 2001/2002, MS Degree in Computer Engineering, Politecnico di Torino (Laurea in Ingegneria Informatica)
- *Codifica di immagini e video*, 2001/2002 MS Degree in Telecommunication Engineering, Politecnico di Torino (Laurea in Ingegneria delle Telecomunicazioni)
- *Comunicazioni elettriche*, 2001/2002, MS Degree in Electrical Engineering, Politecnico di Torino (Laurea in ingegneria Elettrica)
- *Comunicazioni elettriche*, 1997/ 1998, BS Degree in Telecommunications, Politecnico di Torino campus of Aosta (Laurea in Ingegneria delle Telecomunicazioni)
- *Comunicazioni elettriche*, 1992/1993, MS Degree in Electronic and Computer Engineering, Politecnico di Torino (Laurea in Ingegneria Elettronica e Informatica)
- *Teoria dei segnali determinati*, from 2001/2002 to 2003/2004, MS Degree in Electronic Engineering, Politecnico di Torino (Laurea in ingegneria Elettronica)
- *Teoria dei segnali a tempo continuo*, 2000/2001 MS Degree in Electronic Engineering, Politecnico di Torino (Laurea in ingegneria Elettronica)
- *Analisi nel piano tempo-scala*, 1999/2000-2000/2001 BS Degree in Telecommunications Engineering, Politecnico di Torino (Laurea in Ingegneria delle Telecomunicazioni)
- *Teoria dei segnali II*, 1998/1999, MS Degree in Telecommunications Engineering, Politecnico di Torino (Laurea in Ingegneria delle Telecomunicazioni)
- Probabilità e fenomeni aleatori, 1990/1991-1991/1992. "Scuola diretta a fini speciali in telecomunicazioni", Politecnico di Torino, Campus of Aosta
- Since 2007: tutor for MSc projects within the "Alta Scuola Politecnica" programme, involving Politecnico di Torino and Politecnico di Milano

Institutional offices and roles in Italian and foreign Universities and/or public and private institutions with scientific and/or technology transfer aims

- Member of the "Collegio di Ingegneria Biomedica", 2014-present
- Member of the "Collegio di Ingegneria Elettronica, delle Telecomunicazioni e Fisica", 2012-2014
- Invited Member of the "Collegio di Ingegneria Informatica, del Cinema e Meccatronica" and "Collegio di ingegneri gestionale", 2012-2014
- PhD Committee member (in Italian, "Collegio Docenti del Dottorato di Ricerca Interateneo in Bioingegneria e Scienze medico-chirurgiche"), 2012-present
- Member of Commission "Socrates" for mobility of students in Telecommunication Engineering , 2000-2004
- Member of the for selection committee for the qualification to practice as an Engineer exam ("Esame di Stato per l'abilitazione alla professione di Ingegnere"), 2004-2005
- Member of the commission for the assignment of an Assistant Professor position in Electronics Engineering at the University of Udine, Italy ("valutazione comparativa per Ricercatore universitario"), 2004
- Member of ad-hoc Committees for examination of Ph.D. candidates:
 - 2000, Ecole Polytechnique Fédérale de Lausanne, Switzerland, candidate: Dr.Gloria Menegaz
 - Several committees at Politecnico di Torino and Politecnico di Milano, Italy,

Torino, March 26, 2018

