

CURRICULUM VITAE

Luca Potì

Responsabile di Area di Ricerca (High-capacity and secure optical communications) del CNIT (Consorzio Nazionale Interuniversitario per le Telecomunicazioni) presso il Laboratorio Nazionale di Reti e Tecnologie Fotoniche (PNTLab) del CNIT.

Professore Associato presso Universitas Mercatorum, Roma

1. Esperienza professionale

Apr. 1997 Laurea in Ingegneria Elettronica con indirizzo Telecomunicazioni presso l'Università degli Studi di Parma (Italia) con una tesi dal titolo: "Simulazioni e misure sugli effetti congiunti di dispersione e non linearità Kerr in sistemi ottici WDM".

Feb. 1998 Abilitazione alla libera professione di Ingegnere.

1997 – 1999 Borsa di studio Marconi Communications dal titolo: "Sistemi di comunicazione WDM su fibra ottica" presso il laboratorio Marconi del Dipartimento di Ingegneria dell'Informazione dell'Università di Parma.

Nov. 1998 Ricercatore presso la Laval University, Quebec, Canada.

2000 – 2001 Ricercatore CNIT (Consorzio Nazionale Interuniversitario per le Telecomunicazioni) presso il laboratorio di "Comunicazioni Ottiche" della Facoltà di Ingegneria Elettronica dell'Università di Parma.

2001 Il gruppo di ricerca coordinato dimostra il primo sistema di trasmissione dati Italiano capace di trasmettere ad una velocità di 160 Gbit/s.

Giu. 2001 Ricercatore Senior del CNIT presso il Laboratorio Nazionale di Reti Fotoniche di Pisa.

Ott. 2002 Ricercatore presso il 'Communication Research Laboratory' - Tokyo- Japan.

2005 Responsabile di Ricerca del CNIT (Consorzio Nazionale Interuniversitario per le Telecomunicazioni).

Gen. 2006 co-fondatore di **PhoTrix S.r.L.**

Feb. 2008 Ricercatore presso Tsinghua University in Beijing, China.

2009 Responsabile di Area di Ricerca del CNIT (Consorzio Nazionale Interuniversitario per le Telecomunicazioni).

2011 Il suo gruppo di ricerca dimostra, in collaborazione con Ericsson il primo sistema coerente operante a 448 Gbit/s su apparato commerciale.

2012 Il suo gruppo di ricerca dimostra, in collaborazione con Ericsson il primo sistema coerente operante a 1Tbit/s su rete ottica flessibile.

2012 Vincitore del premio alla carrier PWI per i significativi risultati ottenuti nei precedenti 10 anni in ambito di ricerca.

2013 Abilitazione scientifica nazionale per Professore di Seconda fascia (12/12/2013).

2017 Abilitazione scientifica nazionale per Professore di Prima fascia (29/11/2017)

2018 Professore Associato Universitas Mercatorum – Roma

2. Progetti di ricerca e contratti (attività di coordinamento)

PERIODO	TITOLO	ENTE	RUOLO	PARTNERS
1999-2001	Ultra high speed OTDM systems and techniques	MURST (Ministero dell'Università e della Ricerca Scientifica e Tecnologica)	WP Coordinator	Univeristà di Padova Politecnico di Milano Università Tor Vergata di Roma Università di Parma
2000	Centre for Communication Network Engineering (COFINLab 2000)	MURST (Ministero dell'Università e della Ricerca Scientifica e Tecnologica)	WP Coordinator	Scuola Superiore Sant'Anna di Pisa, Italy
2000-2002	Large Optical Bandwidth by amplifier Systems based on Tellurite fibres doped with Rare earths (LOBSTER)	EU - FP5	Scientific Coordinator	Università di Parma (Italia) CSELT (Centro Studi E Laboratori Telecomunicazioni - Italia) University of Southampton (Regno Unito) Friedrich-Schiller-University of Jena (Germania)
2001-2003	Ultrahigh bit rate OTDM transmission systems	MURST (Ministero dell'Università e della Ricerca Scientifica e Tecnologica)	WP Coordinator	Univeristà di Padova Politecnico di Milano Politecnico di Torino Università "Tor Vergata" di Roma Università di Parma
2004-2005	CNIT-ISCOM 2004	ISCOM Istituto Superiore delle Comunicazioni	WP Coordinator	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) Istituto Superiore delle Comunicazioni (ISCOM)
2004-2006	Future optical communication networks beyond 160 Gbit/s based on Optical Time Division Multiplexing (OTDM) involving ultrafast photonic devices	MAE Ministero per gli Affari Esteri	Scientific Coordinator	Scuola Superiore Sant'Anna - Pisa, Italy Korea Institute of Science & Technology (KIST) - Seul, Corea
2004-2006	Optical Networks: Towards Bandwidth Manageability and Cost Efficiency	EU - FP6	WP Coordinator	>40 European Institutions
2005-2007	Optical Transmission Systems with Coherent Detection	MIUR (Ministero dell'Università e della Ricerca)	Experimental Activity Coordinator	Univeristà di Parma Politecnico di Torino Scuola Superiore Sant'Anna di Pisa, Italy
2006-2008	Enabling technologies for the design and implementation of next generation optical internet prototype based on optical packet switching	MAE Ministero per gli Affari Esteri	Scientific Coordinator	Scuola Superiore Sant'Anna - Pisa, Italy Indian Institute of Technology - Kharagpur, India
2006-2008	Optical Networks: Towards Bandwidth Manageability and Cost Efficiency	EU - FP6	WP Coordinator	>40 European Institutions

2006-2007	CNIT-ISCTI 2006	ISCTI (Istituto Superiore delle Comunicazioni e delle Tecnologie dell'Informazione)	WP Coordinator	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) Istituto Superiore delle Comunicazioni e delle Tecnologie dell'Informazione (ISCTI)
2007-2009	Design and implementation of a 2.5 Tbit/s Optical Time Division Multiplexing (OTDM) system	MAE Ministero per gli Affari Esteri	Scientific Coordinator	Scuola Superiore Sant'Anna - Pisa, Italy Korea Institute of Science & Technology (KIST) - Seoul, Corea
2007-2009	Laboratory for PhOtonic switching nETworks (POET)	FIRB - MIUR (Ministero dell'Università e della Ricerca)	Scientific Coordinator	Scuola Superiore Sant'Anna - Pisa, Italy Indian Institute of Technology - Kharagpur, India
2007-2009	Photonic Enabling Devices for Regeneration and Optical Switching (PEDROS)	FIRB - MIUR (Ministero dell'Università e della Ricerca)	Scientific Coordinator and Italian delegate for Scuola Superiore Sant'Anna	Scuola Superiore Sant'Anna - Pisa, Italy Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) - Pisa, Italy Institut National de la Recherche Scientifique (INRS) - Montreal, Canada
2008-2009	Semiconductor-based photonic Circuits Operation for Optical Packet Switching (SCOOPS)	MAE Ministero per gli Affari Esteri	Italian Coordinator	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) - Pisa, Italy National Institute of Information and Communications Technology (NICT) - Tokyo, Japan
2008-2009	High-resolution near-infrared optical tomograph for bidimensional heart imaging through pulsed fibre lasers	CEIIC	Coordinator	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) - Pisa, Italy Scuola Superiore Sant'Anna - Pisa, Italy
2008-2010	Integrated subsystems for optical fibre communications fabricated through ion implantation of erbium-doped waveguides (LUNCH)	MIUR (Ministero dell'Università e della Ricerca)	Scientific Coordinator	Scuola Superiore Sant'Anna - Pisa, Italy Istituto per la Microelettronica e i Microsistemi CNR - Bologna, Italy
2009-2010	Signal processing for virtual and increased reality in design and sensors for robot systems and haptic interfaces	CEIIC	Coordinator	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) - Pisa, Italy Scuola Superiore Sant'Anna - Pisa, Italy
2010	Polarization multiplexed coherent multilevel system 100G and 400G: translation of relevant DSP algorithms from SW implementation to a FPGA-based run-time implementation.	Ericsson S.p.A.	Coordinator	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) - Pisa, Italy

2010-2011	SPEED	Ericsson Research RA Broadband Technologies	Co-coordinator	Scuola Superiore Sant'Anna - Pisa, Italy
2011	Demo MWC2011 Barcellona	Ericsson S.p.A.	Coordinator	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) - Pisa, Italy
2011	Terabit coherent wavelength switched optical network (WSON)	Ericsson S.p.A.	Co-coordinator	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) - Pisa, Italy
2011	Field trial Telefonica	Ericsson S.p.A.	Coordinator	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) - Pisa, Italy
2012	Integrated Terabit transceiver for coherent systems	Ericsson S.p.A.	Coordinator	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) - Pisa, Italy
2012	In-Line Tribology	ENEL S.p.A.	Coordinator	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) - Pisa, Italy
2012-2014	COherent Terabit Optical NETworks (COTONE)	MIUR (Ministero dell'Università e della Ricerca)	Coordinator	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) - Pisa, Italy TeCIP- Scuola Superiore Sant'Anna - Pisa, Italy Univeristà di Parma, Italy
2012-2014	Elaborazione ed interpretazione di immagini multisorgente in campo biomedico (MULTISIM)	Regione Toscana	Coordinator	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) - Pisa, Italy CNR, Istituto di Scienza e Tecnologie dell'Informazione "A. Faedo", Pisa, Italy
2013-2015	Coherent Optical system Field-trial For spectral Efficiency Enhancement (COFFEE)	EU-GEANT	Coordinator	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) - Pisa, Italy
2012-2015	Industry-Driven Elastic and Adaptive Lambda Infrastructure for Service and Transport Networks (IDEALIST)	FP7-ICT-2011-8	Research line coordinator	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) - Pisa, Italy + 22 European Institutions

2017-2019	INCUBANDO	MAECI bilateral	Coordinator	CNIT - Pisa, Italy Tel Aviv Univedrsity, Israel
2017-2019	5G Metro	EU Horizon 2020	Research line coordinator	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) - Pisa, Italy + several EU Institutions
2017-2019	QUSINE - submitted	MAECI bilateral	Research line coordinator	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) - Pisa, Italy + Stockholm University - Sweden
2018-2021	MuSES - submitted	ASI	Unit Coordinator	Istituto Ortopedico Rizzoli (IOR) Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT) Centro per la Medicina Rigenerativa (CIMER; Università degli Studi di Roma "Tor Vergata") Politecnico di Torino (POLITO) Kayser Italia s.r.l. Thales Alenia Space S.p.A. (TASI)

3. Progetti di ricerca e contratti (attività di ricerca)

PERIODO	TITOLO	ENTE	RUOLO	PARTNERS
1996-1998	Design of Advanced Wavelength Routed Optical Networks (DAWRON)	EU INCO-DC	Research activity	Università di Parma, Italy University College London, UK Indian Institute of Technology - Kharagpur, India
1998-1999	Nonlinear effects due to fibre and EDFA in WDM systems	Marconi Communications	Research activity	Università di Parma, Italy
2000-2001	PMD compensation	Marconi Communications	Research activity	Scuola Superiore Sant'Anna - Pisa, Italy
2003	Design and analysis of ASE Re-circulating Ring (ARR) networks for steady-state operation.	Marconi Communications	Research activity	Scuola Superiore Sant'Anna - Pisa, Italy
2004	Theoretical and numerical analysis of ASE Re-circulating Ring (ARR) networks for steady-state operation, breakage, and restoration	Marconi Communications	Research activity	Scuola Superiore Sant'Anna - Pisa, Italy

2004-2005	Ultrashort optical sources prototyping	Fondazione Cassa di Risparmio di Pisa	Research activity	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT), Italy
2006	Feasibility study for 100 Gb/s Ethernet transport	Ericsson	Research activity	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT), Italy
2008-2010	GOVerning the SPEEd of Light (GOSPEL)	EU FP-7	Research activity	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT), Italy Technion - Israel Institute of Technology, Israel Ecole Polytechnique Fédérale de Lausanne, Switzerland Universidad Politécnica de Valencia, Spain Technical University of Denmark, Denmark Universität Kassel, Germany Thales S.A., France Yonsei University-Seoul, Korea
2008-2010	Pan-European Photonics Task Force: Integrating Europe's Expertise on Photonic Subsystems (EUROFOS)	EU FP-7	Research activity	17 European research Institutions
2008-2010	Building the Future Optical Network in Europe (BONE)	EU FP-7	Research activity	> 40 European research Institutions
2009-2010	Integrated time domain optical interleaver for photonic-based full-digital radar receiver within Advanced Components Cooperation for Optoelectronics Research and Development (ACCORD)	EU FP-7	Research activity	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT), Italy Pirelli, Italy
2009-2012	PHOTonic-based full Digital Radar	European Research Council Starting Grant	Research activity	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT), Italy
2009-2011	ACTive PLASmoNics and lossless metamaterials (ACEPLAN)	European Consortium NanoSci-ERA	Research activity	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT), Italy
2011-2013	Architetture di Reti e Nodi Ottici per la Trasmissione ad alta capacità, il Trasporto accesso-metro-core basati su Tecnologie fotoniche integrate (ARNO)	Regione Toscana	Research activity	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT), Italy Ericsson S.p.A.
2017-2019	Fotonica Integrata Per Interconnessioni Luminose Intra-chip, Intra-board e Intra-System (FIPILI3)	Regione Toscana	Research Activity	Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT), Italy

4. Attività di revisione, divulgazione ed organizzazione eventi

2018 Membro del comitato tecnico per la conferenza IEEE Global Communications Conference 2018 (Quantum Communications and Information Technology)

2018 Membro del Comitato Tecnico per la conferenza IEEE International Conference on Photonics ICP2018

2018 Editor chair ECOC 2018

2017 Membro del Comitato Tecnico per la conferenza IEEE SCOREd 2017

2017 Membro del comitato tecnico di IEEE Summer Topical Meeting

2015 Chair della conferenza internazionale Photonics in Switching 2015

2016 Guest Editor per la rivista Photonic

2013 Membro del comitato tecnico di ECOC 2013

Dal 2007-presente Membro del comitato tecnico del IEEE Photonics in Switching

2008 Member del comitato organizzativo di 2008 Korea-Italy Bilateral Workshop on Photonics for Communication and Sensing, 22-23 Ottobre, 2008, Seoul, Korea.

2007 responsabile per il CNIT/Scuola Superiore Sant'Anna per l'anno 2007 dei Seminari Tecnici.

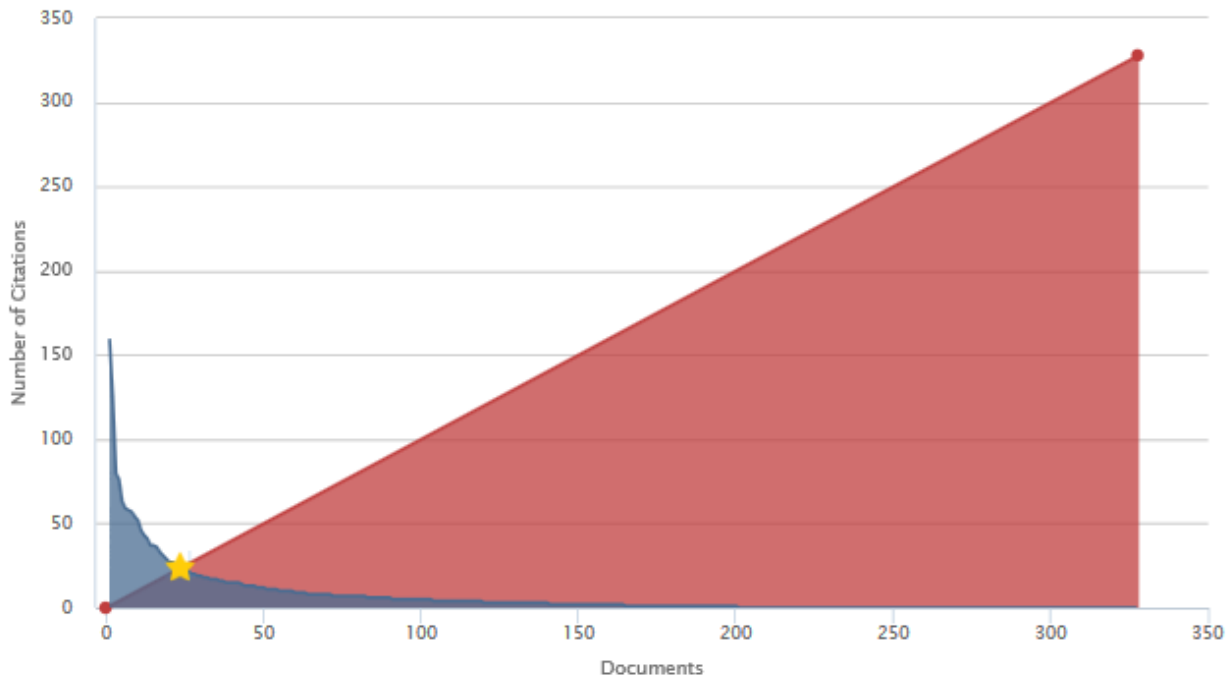
2004 Membro del comitato organizzativo della conferenza internazionale IFIP OpNeTec 2004 (Optical Networks & Technologies), 18-20 Ottobre, 2004 Pisa.

Dal 2004 revisore per IEEE/OSA Journal of Lightwave Technology, IEEE Journal of Selected Topics in Quantum Electronics, IEEE Photonics Technology Letters, IEE Electronics Letters, OSA Optics Express, Elsevier Optics Communications ed altre riviste del settore

Dal 1998 co-autore di **417 pubblicazioni** tra cui: 1 libro, 6 capitoli di libro, 53 brevetti internazionali, 8 articoli invitati pubblicati su riviste nazionali ed internazionali, 107 articoli regolari pubblicati su riviste internazionali, 20 contributi invitati a conferenze internazionali, e 222 contributi regolari presentati a conferenze nazionali e internazionali. L'indice **h**, come riportato dal grafico prodotto dal sistema Scopus, risulta attualmente pari a **24** con un numero di **citazioni** superiore a **2260**.

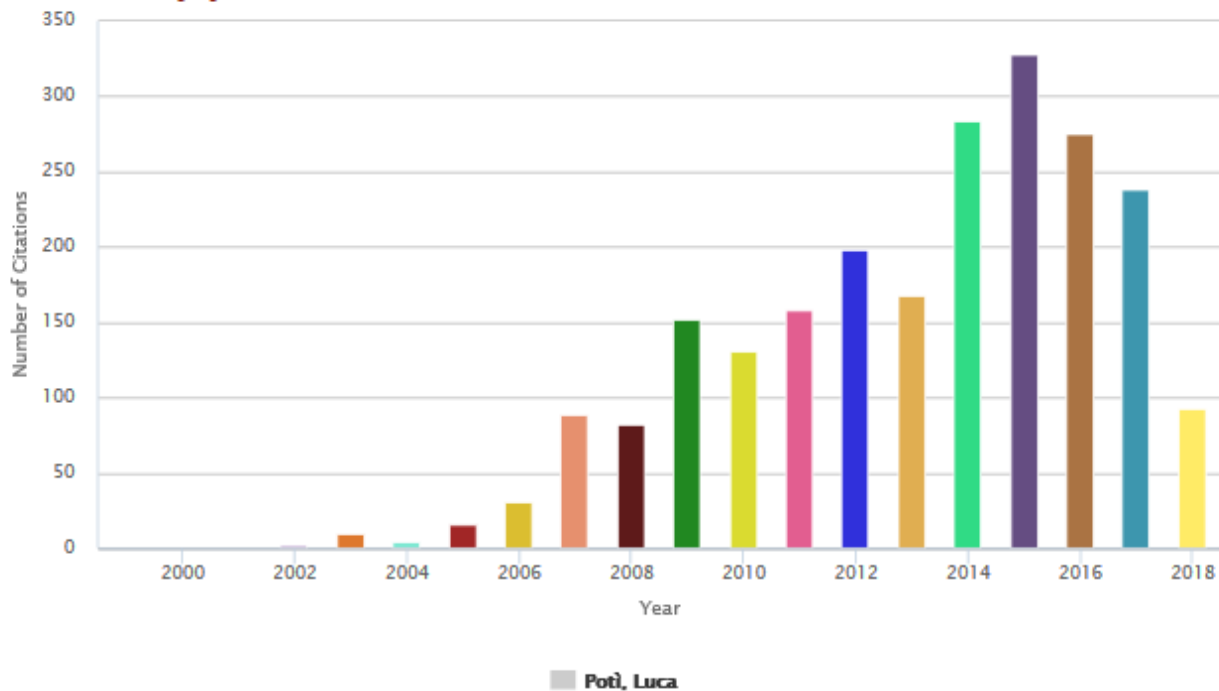
This author's *h*-index is 24

The *h*-index is based upon the number of documents and number of citations.



Note: Scopus is in progress of updating pre-1996 cited references going back to 1970. The *h*-index might increase over time.

Citations by year



Google Scholar riporta valori leggermente diversi con un numero di citazioni totali di **2968**, un **indice H 25** e un **i10-index 83**.

Citata da	VISUALIZZA TUTTO	
	Tutte	Dal 2013
Citazioni	2968	1761
Indice H	25	19
i10-index	83	48

Year	Number of Citations
2011	180
2012	250
2013	230
2014	320
2015	410
2016	380
2017	340
2018	100

5. Attività didattica e di servizio in senso lato

2017 revisore esterno per le tesi di dottorato di Perrone Pierluigi, dal titolo "An optical communication system with multilevel polarization modulation for high-capacity twisted optical fibers" e Giuseppe Giulio Rutigliano, dal titolo "Physical layer security for optical communications", Università degli Studi di Roma "TorVergata".

2014-2015 Professore a contratto per il corso di "Coherent Optical Communications systems" nell'ambito del Master Telecom

2013-2014 Incarico Università di Pisa, Dipartimento di Informatica, “Commutazione fotonica” I semestre, II anno.
2013-2014 Incarico nell’ambito di Lab. Of Photonic Switching – part.1/part2 6CFU
2013 Incarico all’interno del Master Telecom “Smart Solutions Smart Communities” per il corso di “Coherent Optical Communications systems”
2012-2013 Incarico nell’ambito di Lab. Of Photonic Switching – part.1/part2 6CFU
2011-2012 Incarico nell’ambito di Lab. Of Photonic Switching – part.1/part2 6CFU
2010-2015 Professore a contratto per il corso “Photonic Switching” nell’ambito del Graduate Program in Information and Communication Technologies organizzato dalla Scuola Superiore Sant’Anna di Pisa Italy.
2012 – 2014 Membro della Commissione International Master on Communication Networks Engineering AA.AA. 2012/14 IV ed.
2012- 2015 membro del Consiglio del Corso di Laurea Magistrale in Informatica e Networking
2012-2015 membro della Commissione Didattica del Corso di Laurea Magistrale in Informatica e Networking
2010-2015 Professore a contratto per il corso “Photonic Switching” nell’ambito del Masters on Photonic Networks Engineering organizzato dalla Scuola Superiore Sant’Anna di Pisa Italy.
2010-2015 Professore a contratto per il corso “Photonic Switching” nell’ambito del Doctoral Program in Emerging Digital Technologies organizzato by Scuola Superiore Sant’Anna di Pisa Italy.
2005-2015 Professore a contratto per il corso “Fundamentals of optical communications & optical transmission systems” nell’ambito dell’International Master on Communication Networks Engineering organizzato dalla Scuola Superiore Sant’Anna di Pisa Italy.
Dal 2008 è titolare di un corso di “Photonic Switching” nell’ambito del ‘International Master’s program in Communication Networks Engineering (IMCNE) organizzato dalla Scuola Superiore Sant’Anna in Pisa.
2005-2008 è titolare di un corso di “Fundamentals of optical communications & optical transmission systems” nell’ambito del master internazionale “Communication Networks engineering” organizzato dalla Scuola Superiore Sant’Anna in Pisa.
2005 Docente nell’ambito del corso di formazione “Fibre optics for optical fibre communications” a Cape Coast, Ghana.
2004-2006 Professore a contratto nell’ambito del corso di “Comunicazioni ottiche” presso la Facoltà di Ingegneria delle Telecomunicazioni dell’Università di Pisa
2003 valutatore esterno PhD presso Aston Univeristy.
2003 coautore del libro Bogoni A., and Poti L., "Elementi di Comunicazioni Ottiche", Pitagora Editrice, Bologna – Italy impiegato come riferimento per la didattica.
2003-2007 Professore a contratto nell’ambito del programma “Comunicazioni in fibra ottica” presso l’istituto ISIS “E. Mattei” di Rosignano, Livorno
1999-2001 Professore a contratto per il corso di “Comunicazioni ottiche” presso la Facoltà di Ingegneria Elettronica dell’Università di Parma.
2000-2017 Numerose volte membro (sia interno che esterno) di Commissione per la discussione della Tesi di Dottorato.

Tutor di **più di 30 tesi di laurea** in Ingegneria Elettronica e delle Telecomunicazioni presso l’Università di Parma e di Pisa e di **più di 20 studenti di Dottorato di Ricerca**.

6. Attività di coordinamento

2001 Coordinamento del laboratorio di Comunicazioni Ottiche quando il Laboratorio Nazionale di Reti Fotoniche si è insediato a Pisa.

2001 - 2004 Coordinamento congiunto dell’area di ricerca denominata “Ultrafast Communications” che riuniva all’incirca 15 ricercatori.

2005 - 2009 Cordinatore dell’area di ricerca “Ultrafast All-optical subsystems” presso il Laboratorio Nazionale di Reti Fotoniche del CNIT di Pisa, Italia

Dal 2009 – 2016 coordinatore dell’area di ricerca “High Capacity Optical Systems presso il Laboratorio Nazionale di Reti Fotoniche del CNIT di Pisa, Italia

Dal 2016 coordinatore dell’area di ricerca “High-Capacity and Secure Optical Communications” presso il Laboratorio Nazionale di Reti e Tecnologie Fotoniche del CNIT di Pisa, Italia

Cordinatore di diverse attività di ricerca nazionali ed internazionali in collaborazione con altri istituti di ricerca come: the “Korean Institute of Science and Technologies”, Seoul – Korea; the “National Institute of Information and Communications Technology (NICT)” - Tokyo, Giappone, the “Indian Institute of Technology” - Kharagpur, India, the

“Institut National de la Recherche Scientifique (INRS)” - Montreal, Canada; l’“Istituto per la Microelettronica e i Microsistemi” CNR - Bologna, Italia ed numerose Università Europee.

Promotore, organizzatore e coordinator di eventi ufficiali (Workshops, Conferences, Experimental demonstrations, etc...) orientate ad incrementare la visibilità internazionale del laboratorio e le collaborazioni sia in termini di numero che di qualità.

A riprova dell’attività di ricerca in ambito internazionale il gruppo di ricerca vanta più di 400 pubblicazioni e 30 progetti dal 1998.

7. Riconoscimenti e premi

2006 premio per la qualità delle prestazioni individuali CNIT

2006 gratifica CNIT per il lavoro svolto durante l’anno 2005

2007 premio per la promozione dell’attività inventiva

2010 Best Paper AWARD ICC 2010

2012 Vincitore del premio alla carrier PWI per i significativi risultati ottenuti nei precedenti 10 anni in ambito di ricerca.

2015 Best paper award ONDM 2015

2017 Chalres Kao Award for your excellent paper “Sliceable Transponder Architecture Including Multiwavelength Source”, IEEE Journal of Optical Communications & Networking, Vol. 6, No. 7, pp. 590 - 600, July 2014.

8. Ruoli ricoperti in ambito internazionale

2005 Italian Representative for CNIT in the Canada-Italy bilateral research collaboration Memorandum of Agreement

1998-2017 Member IEEE

2017- Senior Member IEEE

2017 - Technical Committee Member - Quantum Communications and Information Technology (QCIT) – IEEE Comsoc

9. Pubblicazioni

Sebbene tra le pubblicazioni compaiano solo pochi lavori a singolo nome, si evidenzia che per il tipo di evoluzione lavorativa vissuta, i coautori spesso rappresentano studenti e ricercatori coordinati dal sottoscritto. Infatti, dopo poco più di un anno dall'inizio della attività lavorativa, già rivestiva un ruolo di supervisione ed organizzazione di un gruppo di persone prima all'Università di Parma e poi a Pisa. Tengo, inoltre, ad evidenziare l'elevato impact factor (**17.18**) per la rivista IEEE Communications Surveys & Tutorials che recentemente ha pubblicato un nostro lavoro di rilievo riportato tra gli articoli su rivista in [1].

9. 1: Monografie

- [1] Bogoni A., and Potì L., "Elementi di Comunicazioni Ottiche", Pitagora Editrice, Bologna – Italy, 2003

9. 2: Capitoli di libro

- [1] Bogoni A., Ghelfi P., Lazzeri E., Potì L., Scaffardi M., and Fresi F. - Optical Fibre, New Developments, "*Fibre Based Schemes for Ultrafast Subsystems: Nonlinear Optical Loop Mirrors Traditional Design and Novel Applications.*", I-Tech Education and Publishing KG, Austria - Vienna, 2009
- [2] Porzi C., Guina M., Calabretta N., Bogoni A., and Potì L. - Semiconductor Technologies, "*Applications of saturable absorption-based nonlinear vertical-cavity semiconductor devices for all-optical signal processing*", I-Tech Education and Publishing KG, Austria - Vienna, 2009
- [3] Bogoni A., Berrettini G., Ghelfi P., Malacarne A., Meloni G., Potì L., and Wang J. - Semiconductor Technologies, "*All-optical flip-flops based on semiconductor technologies*", In-Tech, Austria - Vienna, 2009
- [4] Berrettini G., Bogoni A., Fresi F., Meloni G., and Potì L. - Advances in Lasers and Electro optics, "*Evolution of Optical Digital Sampling*", I-Tech Education and Publishing KG, Austria - Vienna, 2009
- [5] Berrettini G., Bogoni A., Lazzeri E., Meloni G., Porzi C., Potì L., and Scaffardi M. - Semiconductor Technologies, "*All-optical digital processing through semiconductor optical amplifiers: state of the art and perspectives*", IN-TECH, Austria - Vienna, 2009
- [6] Malacarne A., Thomas S., Fresi F., Potì L., Bogoni A., and Azaña J. - Advances in Lasers and Electro optics, "*Programmable All-Fiber Optical Pulse Shaping*", I-Tech Education and Publishing KG, Austria - Vienna, 2009

9. 3: Articoli su rivista

- [1] Malacarne A., Dallaglio M., Meloni G., Sambo N., Bogoni A., Neumeier C., Potì L., Castoldi P., "*Software-defined reconfigurable VCSEL-based transmission*," Optics Express, 26 (7), pp. 9095-9106, 2018
- [2] Jalil B., Harwig V., Salvetti O., Potì L., Gargani L., Barskova T., Matucci Cernic M., L'Abbate A., "*Assessment of hand superficial oxygenation during ischemia/reperfusion in healthy subjects versus systemic sclerosis patients by 2D near infrared spectroscopic imaging*," Computer Methods and Programs in Biomedicine, 155, pp. 101-108, 2018.
- [3] Imran M., Anandarajah P. M., Kaszubowska-Anandarajah A., Sambo N. and Potì L., "*A Survey of Optical Carrier Generation Techniques for Terabit Capacity Elastic Optical Networks*," in IEEE Communications Surveys & Tutorials, vol. PP, no. 99, pp. 1-1. (IF:17.18)
- [4] Vela A. P., M. Ruiz, F. Fresi, N. Sambo, F. Cugini, G. Meloni, L. Potì, L. Velasco, P. Castoldi, "*BER Degradation Detection and Failure Identification in Elastic Optical Networks*," in Journal of Lightwave Technology, vol. 35, no. 21, pp. 4595-4604, Nov.1, 1 2017 (IF: 3.67)
- [5] Malacarne A., Fresi F., Meloni G., Foggi T. and Potì L., "*Time-Frequency Packing Applied to Cost-Effective IM/DD Transmission Based on Directly Modulated VCSEL*," in Journal of Lightwave Technology, vol. 35, no. 20, pp. 4384-4391, Oct.15, 15 2017. (IF: 3.67)
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