

PERSONAL INFORMATION

FABIO ANTONIO BOVINO

Fabio Antonio Bovino, born in 02/03/1969, was employed at Elsag, a Finmeccanica Company, in September 2001 (LEONARDO in January 2016). He is the founder and the chief scientist of Quantum Optics Lab. He has participated to national and international research projects financed by MIUR, Italian Ministry of Defense and European Community. He is author of more than 100 publications in national/international journals and 14 patents in the fields of Foundation of Quantum Mechanics, Quantum Optics, Quantum Information and Computing.

Highlights are:

- the first demonstration of a quantum cloning machine (2001),
- the first experiment beyond Bell's Inequalities for entanglement characterization (2004),
- the design and the realization of the first Quantum Cryptography Italian product: the Q-KeyMaker® (2011).

He was Lecturer at ICTP The Abdus Salam International Centre for Theoretical Physics and at Ettore Majorana Foundation and Centre for International Culture, where he was, in 2012, Director of course Advances in Nanophotonics. He was awarded in 2004 and 2012 with FINMECCANICA Innovation Prize, in 2005, 2006 with Elsag Innovation Prize and, in 2008, with Best Patent Prize, in 2010 with Selex-SI Innovation Prize. He is member of the teaching and scientific board of Second Level Master on Optics and Quantum Information - University of Rome "Sapienza".

WORK EXPERIENCE

2015 to pres.	Professor Second Level Master on Optics and Quantum Information - University of Rome "Sapienza". 18 Credits/Year 1) FIS/01-ING-INF/02 Quantum Information I (5 CFU) 2) FIS/01-ING-INF/02 Quantum Information II (5 CFU) 3) FIS/01-ING-INF/02 Quantum Computing (5 CFU) 4) FIS/01-ING-INF/02 Quantum Devices (3 CFU) DEPT. SBAI –SAPIENZA University of ROME
2001 to pres.	Researcher Quantum Optics Lab LEONARDO s.p.a. (previous Elsag, Selex-SI, Selex-ES)

MAIN ROLES AND RESPONSIBILITIES

2015 to pres.	Professor Sapienza University of Rome
2017 to pres.	Head Quantum Optics Lab
2013-2016	Head Quantum Technologies Lab (SELEX-ES -Finmeccanica)
2010-2013	Head Quantum Optics Lab (SELEX-ES -Finmeccanica)
2005-2010	Head Quantum Optics Lab (ELSAG DATAMAT -Finmeccanica)

TEACHING EXPERIENCE

2014 to pres.	Professor Second Level Master on Optics and Quantum Information - University of Rome "Sapienza". 18 Credits/Year 1) FIS/01-ING-INF/02 Quantum Information I (5 CFU) 2) FIS/01-ING-INF/02 Quantum Information II (5 CFU) 3) FIS/01-ING-INF/02 Quantum Computing (5 CFU) 4) FIS/01-ING-INF/02 Quantum Devices (3 CFU) A.A. 2022-2023 Rif. Bando prot. n. 99/2023 Prot. n. 728 del 21/03/23 A.A. 2021-2022 Rif. Bando Prot. n. 521 del 22/03/22 A.A. 2020-2021 Rif. Bando 7/2020 del 11/05/2020 A.A. 2019-2020 Rif. Bando 9/2019 del 26/06/2019 - 20/2019 del 18/10/2019 A.A. 2018-2019 Rif. Bando 6/2018 del 27/03/2018 A.A. 2015-2016 Rif. Bando 5/2016 del 20/04/2016 A.A. 2014-2015 Rif. Bando 6/2015 del 19/03/2015 A.A. 2013-2014 Rif. Bando 4/2014 del 17/06/2014
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MAIN RESEARCH EXPERIENCE

(2020-2021)	"QUASAR: Quantum Safe Network" Contratto N. 531 di Rep. del 29.12.2020 Lotto I – Principal Investigator
(2020-2022)	"COPERNICO: Chip per la computazione quantistica e sensoristica avanzata nel vicino IR" Contratto n° 168 di Rep. del 18.03.2016 Lotto III – Principal Investigator
(2018-2019)	"COPERNICO: Chip per la computazione quantistica e sensoristica avanzata nel vicino IR" Contratto n° 168 di Rep. del 18.03.2016 Lotto II – Principal Investigator
(2017-2018)	"COPERNICO: Chip per la computazione quantistica e sensoristica avanzata nel vicino IR" Contratto n° 168 di Rep. del 18.03.2016 Lotto I – Principal Investigator
(2012-2018)	"QU-CRYPTNET: Crittografia Quantistica su Rete" Contratto n° 10081 (C.P. 101/11/0176) in data 27.12.2011 - Lotto II – Principal Investigator /Project Manager
(2012-2014)	"QU-CRYPTNET: Crittografia Quantistica su Rete" Contratto n° 10081 (C.P.101/11/0176) in data 27.12.2011 - Lotto I – Principal Investigator /Project Manager
(2011-2013)	"MARINE: Materiali ad indice di Rifrazione Negativo nel visibile e criteri di invisibilità" - Contratto N. 1196 di Rep. 23/12/2009- Repubblica Italiana Ministero della Difesa. - Principal Investigator
(2008-2010)	"CRITTOGRAFIA QUANTISTICA AVANZATA" - Contratto N. 9223 di Rep. 22/12/2005- Repubblica Italiana Ministero della Difesa Direzione Generale delle Telecomunicazioni, dell'Informatica e delle Tecnologie Avanzate, Lotto III & IV; -- Principal Investigator /Project Manager
(2005-2007)	"CRITTOGRAFIA QUANTISTICA AVANZATA" - Contratto N. 9223 di Rep. 22/12/2005- Repubblica Italiana Ministero della Difesa Direzione Generale delle Telecomunicazioni, dell'Informatica e delle Tecnologie Avanzate, Lotto I & II; -- Principal Investigator /Project Manager
(2005-2009)	"QAP-Qubit Applications" FP6-2004-IST-FET N. 015848-01/11/2005 Proactive Initiative; - Principal Investigator
(2001-2004)	"QUCRYPT - Quantum Cryptographic Key Distribution" Ministero dell'Università e Ricerca (MIUR) - contratto N. 67679/ L. 488; - researcher

OTHER RELEVANT EXPERIENCES

2013 to pres	Member of the teaching and scientific board of Second Level Master on Optics and Quantum Information – Dept. SBAI - University of Rome "Sapienza". http://www.masteroqi.uniroma1.it
2021	CLEO EUROPE, 21-25 JUNE 2021, KEYNOTE SPEAKER: "Practical Quantum Communication and Computing".
2017	CLEO/Europe-EQEC, 2017 Conference on Lasers and Electro-Optics Europe & European Quantum Electronics in Munich (ICM) Germany, 25-29 June 2017. PLENARY: "On Chip Intrsystem Quantum Entangled States Generator".
2016	Lecturer School of Photonics 2016: "Plasmonics and Nano-Optics" at Scuola NORMALE Superiore di Pisa
2013	Lecturer at ESAS Summer School on New Trends with Superconducting Quantum Detectors at European Society for Applied Superconductivity (ESAS)
2012	Società Italiana di Fisica-XCVIII Congresso Nazionale. Napoli, 17 - 21 September, 2012. Plenary: "Practical Quantum Cryptography".
2012	Director and Lecturer of Course Advances on NanoPhotonics IV at Ettore Majorana Foundation and Centre for Scientific Culture
2012	Lecturer Winter College on Optics: Advances in Nano-Optics and Plasmonics at ICTP The Abdus Salam International Centre for Theoretical Physics
2011	Lecturer Workshop on Singular Optics and its Application to Modern Physics at ICTP The Abdus Salam International Centre for Theoretical Physics
2010	Lecturer Course Advances in NanoPhotonics III at Ettore Majorana Foundation and Centre for Scientific Culture
2007	Lecturer Course Advances in NanoPhotonics II at Ettore Majorana Foundation and Centre for Scientific Culture

AWARDS

2017	1. OUTSTANDING REVIEWER AWARD 2017 Feb 1, 2018 IOP publishing
2012	2. Premio Innovazione FINMECCANICA 2012 Riconoscimento Speciale IDEA: "Plasmonic Sniffer".
2010	3. Premio Innovazione SELEX Sistemi Integrati 2010: "Practical Quantum Key Distribution on Metropolitan Area Network: The Q-KeyMaker®".
2009	4. Premio Brevetto ELSAG DATAMAT 2009: "Metodo e dispositivo di sincronizzazione e di rivelazione di fotoni gemelli per processi di crittografia quantistica".
2008	5. Premio Innovazione ELSAG DATAMAT 2008 Menzione Speciale: "Full Optical Xor – FOX".
2006	6. Premio Innovazione ELSAG 2006: "Explosive Sniffer by Quantum Technologies".
2005	7. Premio Innovazione ELSAG 2005: "Second Generation Quantum Computing".
2004	8. Premio Innovazione FINMECCANICA 2004: "Crittografia Quantistica".

PUBLICATIONS

JOURNALS	
	1. V Mussi, F A Bovino, R Falsini, D Dalosio, F V Lupo, R Kunjumon, R Li Voti, T Cesca, R Macaluso, C Sibilia, G Mattei (2024) Polarized Raman mapping and phase-transition by CWexcitation for fast purely optical characterization of VO 2 thin films <i>Scientific Reports</i> 14: 19338. August.
	2. R. Li Voti, K. Agharahimli, M. Misano, M.C. Larciprete, G. Leahu, F. Bovino, C. Sibilia, T. Cesca, G. Mattei, F. V. Lupo, R. Macaluso (2024) "Optothermal characterization of vanadium dioxide films by Infrared Thermography", <i>International Journal of Thermal Sciences</i> (December 10 2024)
	3. Boris Kalinic, Tiziana Cesca, Alessandro Lovo, Carlo Scian, Roberto Macaluso, Fabio Bovino, Roberto Li Voti, Concita Sibilia, Giovanni Mattei (2024) "Active Modulation of Er3+ Emission Lifetime by VO2 Phase-Change Thin Films" <i>Advanced Photonics Research</i> (14 November 2024)
	4. Concita Sibilia, Fabio Antonio Bovino (2023) An introduction to nonlinear photonics <i>Advances in Nonlinear Photonics</i> 1-26 May.
	5. F A Bovino (2019) "Intrsystem entanglement generator and unambiguous Bell states discriminator on chip"; In Special Sessions: Emerging Quantum Signal Processing Paradigms ICASSP 2019, Brighton UK (15-17 May 2019)
	6. Emilija Petronijevic, Elizabeth Mendoza Sandoval, Mohammad Ramezani, César Ordóñez-Romero, Cecilia Noguez, Fabio Antonio Bovino, Concita Sibilia, Giuseppe Pirruccio (2019) Extended Chiro-Optical Near-Field Response of Achiral Plasmonic Lattices <i>The Journal of Physical Chemistry C</i>
	7. Emilija Petronijevic, Marco Centini, Tiziana Cesca, Giovanni Mattei, Fabio Antonio Bovino, Concita Sibilia (2019) Control of Au nanoantenna emission enhancement of magnetic dipolar emitters by means of VO2 phase change layers <i>Optics Express</i> 27: 17. pp. 24260-24273 August.
	8. A Convertino, V Mussi, L Maiolo, M Ledda, M G Lolli, F A Bovino, G Fortunato, M Rocchia, A Lisi (2018) Array of disordered silicon nanowires coated by a gold film for combined NIR photothermal treatment of cancer cells and Raman monitoring of the process evolution. <i>Nanotechnology</i> . 2018 Oct 12;29(41):415102. doi: 10.1088/1361-6528/aad6cd. Epub 2018 Jul 30.
	9. E Petronijevic1, G Leahu, V Mussi, C Sibilia, F A Bovino (2017) "Photoacoustic technique for the characterization of plasmonic properties of 2D periodic arrays of gold nanoholes"

Il presente curriculum vitae, è redatto ai fini della pubblicazione nella Sezione "Amministrazione trasparente" del sito web istituzionale dell'Ateneo al fine di garantire il rispetto della vigente normativa in materia di tutela dei dati. Il C.V. in versione integrale è conservato presso gli Uffici della Struttura che ha conferito l'incarico.

	AIP Advances 7: 2. 10.1063/1.4977545.
10.	F A Bovino, A Messina (2016) "Increasing operational command and control security by the implementation of device independent quantum key distribution"; In: Proc. SPIE 9996, Quantum Information Science and Technology II, 999606 (24 October 2016)
11.	A Benedetti, A Veroli, C Sibilia, F A Bovino (2015) "Numerical evaluation of irradiation diagram by plasmonic gratings and slit apertures" JOSA B Vol 32: Issue 4. 676-682 March
12.	Fabio Antonio Bovino, Vittorianna Tasco, Adriana Passaseo, Maria Cristina Larciprete, Alessandro Belardini, Concita Sibilia (2014) "On the Optical Axis Misalignment Detection by Noncollinear Second Harmonic" Generation JOSA B 31: 1. 26-32.
13.	Fabio Antonio Bovino, Maria Cristina Larciprete, Gregore Leahu, Concita Sibilia, Gyorgy Varo, Csilla Gergely (2013) "Detection of Second Order Nonlinear Optical Magnetization By Mapping Normalized Stokes Parameters" JOSA B Vol 30: Issue 3. 568-575
14.	Fabio Antonio Bovino, Maria Cristina Larciprete, Concita Sibilia, Gyorgy Varo, Csilla Gergely (2012) "Evidence of Multipolar Response of Bacteriorhodopsin by Noncollinear Second Harmonic Generation" Optics Express Vol. 20: Iss. 13. pp. 14621-14631
15.	Fabio Antonio Bovino, Matteo Braccini, Maurizio Giardina, Concita Sibilia (2011) "Orbital Angular Momentum in Noncollinear Second Harmonic Generation by off-axis vortex beams" JOSA B 28: 11. 2806-2811 October
16.	Fabio Antonio Bovino, Matteo Braccini, Mario Bertolotti, Concita Sibilia (2011) "Management of the Orbital Angular Momentum of Vortex Beams in a Quadratic Nonlinear Interaction" Optics Communications 284: Issue 10-11. 2587-2593 May
17.	F A Bovino (2009) "Bidirectional Secret Communication by Quantum collisions Journal of Information Assurance and Security" 4: 466- 469
18.	F A Bovino, I P Degiovanni (2009) "Quantum Correlation Bounds for Wigner's Inequality Generalized Parametrization" International Journal of Quantum Information 7: Supplement. 257-262
19.	F A Bovino, M C Larciprete, A Belardini, C Sibilia (2009) "Evaluation of the optical axis tilt of zinc oxide via noncollinear second harmonic generation" Applied Physics Letters 94: 251109.
20.	M C Larciprete, F A Bovino, M Giardina, A Belardini, M Centini, C Sibilia, M Bertolotti, A Passaseo, V Tasco (2009) "Mapping the nonlinear optical susceptibility by noncollinear second-harmonic generation" Optics Letters 34: Issue 14. 2189-2191
21.	F A Bovino, M C Larciprete, M Giardina, A Belardini, M Centini, C Sibilia, M Bertolotti, A Passaseo, V Tasco (2009) "Optical polarization based logic functions (XOR or XNOR) with nonlinear Gallium nitride nanoslab" Optics Express 17: Issue 22. 19337-19344
22.	M C Larciprete, F A Bovino, A Belardini, C Sibilia, M Bertolotti (2009) "Bound and free waves in non-collinear second harmonic generation" Optics Express 17: Issue 19. 17000-17009
23.	F A Bovino, I P Degiovanni (2008) "Quantum Correlation Bounds for Quantum Information Experiments Optimization: the Wigner Inequality Case" Physical Review A 77: 053822.
24.	Olavo Cosme, S Pádua, Fabio A Bovino, A Mazzei, Fabio Sciarrino, Francesco De Martini (2008) "Hong-Ou-Mandel interferometer with one and two photon pairs" Physical Review A 77: 0621107
25.	F A Bovino (2008) "Nonlinear Inequalities and Entropy-concurrence plane" International Journal of Theoretical Physics 47: 2148.2157
26.	F A Bovino, M Giardina, K Svozil, V Vedral (2007) "Spatial Orientation using Quantum Telepathy" International Journal of Quantum Information 5: 1 & 2. 43.49
27.	Fabio A Bovino, Giuseppe Castagnoli, Adan Cabello, Antia Lamas-Linares (2006) "Experimental noise resistant Bell inequality violations for polarization-entangled photons" Physical Review A 73: 062110.
28.	F A Bovino, P Varisco, A Martinoli, A M Colla, G Castagnoli, G Di Giuseppe, A V Sergienko (2005) "Practical Quantum Key Distribution Using Polarization Entangled States" International Journal of Quantum Information 3: 11-6
29.	F A Bovino, G Castagnoli, A Ekert, P Horodecki, C M Alves, A V Sergienko (2006) "Nonlinear Properties of Bipartite Quantum States" Open System & Information Dynamics 13: 1-9
30.	I P Degiovanni, I Ruo Berchera, S Castelletto, M L Rastello, F A Bovino, A M Colla, G Castagnoli (2005) "Reply to Comment on Quantum dense key distribution" Physical Review A 71: 016302.
31.	F A Bovino, G Castagnoli, A Ekert, P Horodecki, C M Alves, A V Sergienko (2005) "Direct Measurement of Nonlinear Properties of Bipartite Quantum States" Physical Review Letters 95: 240407.
32.	F A Bovino, G Castagnoli, I Degiovanni, S Castelletto (2004) "Experimental evidence of bounds of quantum correlations" Physical Review Letters 92: 060404.
33.	I P Degiovanni, I Ruo Berchera, S Castelletto, M L Rastello, F A Bovino, A M Colla, G Castagnoli (2004) "Quantum dense key distribution" Physical Review A 68: 032310.
34.	F A Bovino, A M Colla, G Castagnoli, S Castelletto, I Degiovanni, M L Rastello (2003) "Experimental eavesdropping attack against Ekert's protocol based on Wigner's inequality" Physical Review A 68: 034309.
35.	F A Bovino, P Varisco, A M Colla, G Castagnoli, G Di Giuseppe, A V Sergienko (2003) "Effective Fiber-coupling of Entangled Photons for Quantum Communication" Optics Communications 227: 4-6. 343-348
36.	F De Martini, V Mussi, F A Bovino (2000) "Schroedinger cat states and optimum universal quantum cloning by entangled parametric amplification" Optics Communications 179:

Il presente curriculum vitae, è redatto ai fini della pubblicazione nella Sezione "Amministrazione trasparente" del sito web istituzionale dell'Ateneo al fine di garantire il rispetto della vigente normativa in materia di tutela dei dati. Il C.V. in versione integrale è conservato presso gli Uffici della Struttura che ha conferito l'incarico.

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BOOK CHAPTERS	
	1. M Bertolotti, F Bovino, C Sibilia (2015) Quantum State Engineering: Generation of Single and Pairs of Photons Chapter 1 Edited by: Edited by E. Wolf. 1-117 ELSEVIER 60: Progress in Optics isbn: ISBN: 978-0-12-802284-9
	2. Fabio Antonio Bovino (2014) Capitolo X: Introduzione alla Crittografia Quantistica In: Optoelettronica e Fotonica Edited by: ARACNE editrice S.r.l.. isbn: 978-88-548-7453-4
	3. Fabio Antonio Bovino, Maria Cristina Larciprete, Concita Sibilia, Maurizio Giardina, Gyorgy Varo, Csilla Gergely (2012) "Nonlinear Ellipsometry by Second Harmonic Generation" In: Nonlinear Optics Edited by: Dr. Natalia Kamanina. InTech isbn: 978-953-51-0131-4
	4. Fabio A Bovino, Matteo Braccini, Concita Sibilia, Mario Bertolotti (2011) "Twin Photons Generation in an Integrated Photonic Crystal Structure" In: Selected Topics in Photonic Crystals and Metamaterials Edited by: A. Andreone, A. Cusano, A. Cutolo, V. Galdi. World Scientific Publishing Co. Pte. Ltd. isbn: 13 978-981-4355-18-6 10 981-4355-18-6
	5. F De Martini, V Mussi, F Bovino (2000) "Schroedinger cat states and optimum universal quantum cloning by entangled parametric amplification". In: Ode to a Quantum Physicist Edited by: H. Walther, W. Schleich, W.E. Lamb. Elsevier isbn: 0-444-50538-5
CONFERENCE PROCEEDINGS	
	1. Francesco Sisini, Igor Ciminelli, Fabio Antonio Bovino (2022), "Didattica del Quantum Computing nel Metaverso", In: Società Italiana di Fisica 108° Congresso Nazionale 2022 Milano 12- 16 September 2022 Atti del Congresso ISBN: 978-88-7438-130-2
	2. F A Bovino (2015) "Efficient Photonic Quantum Computing"; In: The European Conference on Lasers and Electro-Optics 2015 Munich Germany 21-25 June 2015 ISBN: 978-1-4673-7475-0 ISBN: 978-1-4673-7475-0
	3. F A Bovino, V Mussi, G Leahu, A Benedetti, E Petronijevic, C Sibilia (2015) "About optical coupling properties of 2D plasmonic nanostructures"; In: 2015 Fotonica AEIT Italian Conference on Photonics Technologies
	4. Fabio Antonio Bovino (2015) "Device Independent Quantum Key Distribution: A Practical System"; In: Proceedings SEDA 2014 the 3rd international conference in software engineering for defence applications Rome, Italy. September 22-23, 2014
	5. A Benedetti, A Veroli, C Sibilia, F A Bovino (2015) "Accurate Numerical Procedure for Fast Evaluation of the Irradiation Diagram From Scatterers in The Optical and IR Domain"; In: Proceedings SEDA 2014 the 3rd international conference in software engineering for defence applications Rome, Italy. September 22-23, 2014
	6. Concita Sibilia, Alessandro Belardini, Fabio Antonio Bovino (2014) "On Nonlinear Optical Properties of Chiral Materials"; In: 16th International Conference on Transparent Optical Networks (ICTON), Graz, Austria, July 6-10, 2014 1-4 IEEE CONFERENCE PUBLICATIONS
	7. Fabio Antonio Bovino, Andrea Veroli, Alessio Benedetti, Concita Sibilia (2014) "Controllable Optical Beam By Means of nanopatterned plasmonics device" In: Photonics Technologies, 2014 Fotonica AEIT Italian Conference on 1-3 IEEE ISBN 978-8-8872-3718-4
	8. F Bovino, A Benedetti, A Veroli, C Sibilia (2014) "On the controllable optical beam direction by means of nanopatterned plasmonics device" Proc. SPIE 9126, Nanophotonics V, 91260X (May 2, 2014)
	9. F.A. Bovino, G. Leahu, M.C. Larciprete, C. Sibilia, G. Varo, C. Gergely (2013) "Nonlinear Optical Magnetization of Bacteriorhodopsin Films" In: FOTONICA 2013, 14° Convegno Nazionale delle Tecnologie Fotoniche, Milano, 21-23 maggio 2013.
	10. F.A. Bovino, K. Leosson, P. Laporta (2013) "Experimental Demonstration of Controlled Coalescence and Anticoalescence of a Two Photon State on a 50/50 Plasmonic Coupler for Quantum Computing Applications" In: FOTONICA 2013, 14° Convegno Nazionale delle Tecnologie Fotoniche, Milano, 21-23 maggio 2013
	11. M. Esposito, A. Campa, I. Tarantini, V. Tasco, A. Passaseo, A. Benedetti, C. Sibilia, F. A. Bovino (2013) "Metallic Nano-Spirals as Chiral Metamaterials in the Optical Range" In: FOTONICA 2013, 14° Convegno Nazionale delle Tecnologie Fotoniche, Milano, 21-23 maggio 2013
	12. Fabio Antonio Bovino, Maurizio Giardina (2011) "Practical Quantum Cryptography: the Q-KeyMaker". In: Proceedings of the Third International Symposium on Applied Sciences in Biomedical and Communication Technologies (ISABEL 2010), Rome, Italy, November 2010.
	13. F.A. Bovino, M. Braccini, M. Bertolotti, C. Sibilia (2011) "Vortex Beams in a Quadratic Nonlinear Interaction: Optical Control of the Angular Momentum of Light" In: Fotonica 2011, 13° Convegno Nazionale delle Tecnologie Fotoniche, Genova, 9-11 maggio 2011, ISBN 9788887237122
	14. F A Bovino, M Giardina, C Cergely, G Váró, C Sibilia (2011) "Optical Properties of Bacteriorhodopsin Film by Nonlinear Ellipsometry" In: Fotonica 2011, 13° Convegno Nazionale delle Tecnologie Fotoniche, Genova, 9-11 maggio 2011, ISBN 9788887237122
	15. Fabio A Bovino (2011) "Representation of a Spiral Phase Plate as a Two Modes Quantum Phase Operator" In: Fotonica 2011, 13° Convegno Nazionale delle Tecnologie Fotoniche, Genova, 9-11 maggio 2011, ISBN 9788887237122
	16. F A Bovino, C Gergely, G Varo, M C Larciprete, C Sibilia (2011) "Bacteriorhodopsin films as efficient material for nonlinear optical devices" In: CLEO/Europe and EQEC 2011 Conference Digest, OSA Technical Digest (CD) (Optical Society of America, 2011), paper EF2.1.

Il presente curriculum vitae, è redatto ai fini della pubblicazione nella Sezione "Amministrazione trasparente" del sito web istituzionale dell'Ateneo al fine di garantire il rispetto della vigente normativa in materia di tutela dei dati. Il C.V. in versione integrale è conservato presso gli Uffici della Struttura che ha conferito l'incarico.

	17. F A Bovino, M C Larciprete, C Sibilia, M Giardina, G Varo, C Gergely (2011) "Nonlinear optical properties of Bacteriorhodopsin by nonlinear ellipsometry" In: ISABEL '11 Proceedings of the 4th International Symposium on Applied Sciences in Biomedical and Communication Technologies
	18. F A Bovino, M Braccini, C Sibilia (2010) "Management of the Optical Angular Momentum of vortex beams in a quadratic nonlinear interaction" In: FOTONICA 2010, Atti del Convegno
	19. F A Bovino, M Braccini, C Sibilia (2010) "On the OAM in a quadratic nonlinear interaction of off axis vortex beams" In: FOTONICA 2010, Atti del Convegno
	20. V Tasco, I Tarantini, A Campa, T Stomeo, G Epifani, A Passaseo, M Braccini, M C Larciprete, C Sibilia, F A Bovino (2010) "GaN/AlGaIn photonic crystals designed for the enhancement of non-linear effects" In: FOTONICA 2010, Atti del Convegno
	21. F A Bovino, M Giardina (2010) "Practical Quantum Cryptography: the Elsag Datamat Q-KeyMaker" In: FOTONICA 2010, Atti del Convegno
	22. F A Bovino, M C Larciprete, C Sibilia (2010) "Noncollinear Second Harmonic Generation as Tool of Characterization of Thin Films" In: FOTONICA 2010, Atti del Convegno
	23. T Stomeo, G Epifani, V Tasco, A Massaro, I Tarantini, A Campa, M De Vittorio, A Passaseo, M Braccini, M C Larciprete, C Sibilia, F A Bovino (2010) "Fabrication of GaN/AlGaIn 1D photonic crystals designed for nonlinear optical applications" In: Proc. SPIE, Vol. 7713, 771316
	24. V Tasco, I Tarantini, A Campa, A Massaro, T Stomeo, G Epifani, A Passaseo, M Braccini, M C Larciprete, C Sibilia, F A Bovino (2010) "GaN/AlGaIn microcavities for enhancement of nonlinear optical effects" In: Proc. SPIE, Vol. 7713, 77131Q
	25. F A Bovino, M Braccini, C Sibilia (2010) "Orbital Angular Momentum of off-Axis Vortex Beams in a Quadratic Nonlinear Interaction" In: Nonlinear Photonics (NP), Karlsruhe, Germany, June 21, 2010
	26. F A Bovino, M C Larciprete, M Centini, A Belardini, C Sibilia, M Bertolotti, A Passaseo, V Tasco (2009) "Properties of quadratic noncollinear interaction of GaN based structures" In: Proc. SPIE 7354, 73540D
	27. M C Larciprete, F A Bovino, M Centini, A Belardini, C Sibilia, M Bertolotti, A Passaseo, V Tasco (2009) "Second harmonic generation from multilayer structures" In: IEEE/LEOS Winter Topicals Meeting Series, 2009 166 - 167
	28. F A Bovino, M C Larciprete, M Giardina, A Belardini, M Centini, C Sibilia, M Bertolotti, A Passaseo, V Tasco (2009) "Optical logic functions with nonlinear Gallium nitride nanoslab" In: IEEE-NANO 2009. 9th IEEE Conference on Nanotechnology 663 - 665
	29. F A Bovino (2009) "Possibilities offered by non-homogeneous materials in the Quantum Information" In: Metamaterials- 2009 - 3rd International Congress on Advanced Electromagnetic Materials in Microwaves and Optics ISBN 978-0-9551179-6-1 120-122
	30. F A Bovino (2008) "Bidirectional Secret Communication by Quantum Collisions" In: Advances in Soft Computing 53, Proceedings CISIS 2008
	31. F A Bovino, S Bruzzo, M Giardina, A Martinoli, L Masullo, P Varisco (2007) "Distribuzione di chiavi crittografiche secure attraverso stati entangled" In: FOTONICA 2007 Atti del convegno
	32. Fabio Antonio Bovino (2007) "Theoretical and Experimental Characterization of Entropic Inequalities" In: AIP Conf. Proc. -- November 15, 2007 -- Volume 959, pp. 41-58 ADVANCES IN NANOPHOTONICS II: International Summer School on Advances in Nanophotonics II
	33. S Castelletto, I P Degiovanni, M L Rastello, I Ruo Berchera, F A Bovino, A M Colla, G Castagnoli (2004) "Quantum Dense Key Distribution and Secure Communication Without Cryptography" In: AIP Conf. Proc. 734, 291
	34. S Castelletto, I Degiovanni, M L Rastello, I Ruo Berchera, F A Bovino, A M Colla, G Castagnoli (2003) "A theoretical and experimental test on the security of quantum cryptography key distribution Ekert's protocol based on Wigner's inequality" In: Proc. SPIE's Int. Symp. on Optical Science and Technology (48th Annual Meeting), Conf. 5161 "Quantum Communications and Quantum Imaging"
	35. F A Bovino, P Varisco, A Martinoli, P De Nicolò, S Bruzzo, A M Colla, G Castagnoli, G Di Giuseppe, A V Sergienko (2003) "Demonstration of Secure Quantum Key Distribution" In: Proc. SPIE's Aerosense 2003, Conf. 5105 "Quantum Information and Computation", Orlando, USA (Apr 21-25, 2003), n. 5105-2
	36. F A Bovino, P Varisco, A Martinoli, P De Nicolò, S Bruzzo, A M Colla, G Castagnoli, G Di Giuseppe, A V Sergienko (2002) "Demonstration of entangled-photon link for quantum cryptography" In: Proc. of 6th International Conference on Quantum Communication, Measurement and Computing QCMC'02

CONFERENCES

INVITED	1. Second Workshop ad memoriam of Carlo Novero Advances in Foundations of Quantum Mechanics and quantum information with atoms and photons. IEN (Galileo Ferraris) Torino, Italy, 26-28 April 2004. "Experimental Evidence for Bounds on Quantum Correlations".
INVITED	2. Convegno Crittografia Quantistica in pratica: lo stato dell'arte, Genova, Auditorium, Mostra Per fili e per segni, 16 November 2004. "Tecnologie quantistiche di seconda generazione: l'esperienza Elsag".
	3. Quantum Physics of Nature (QUPON) Theory, Experiment & Interpretation, 20-26 May 2005 Vienna Austria. "Experimental Violation of Entropic Inequalities".
	4. TQMFA 2005, New Trends in Quantum Mechanics: Fundamental Aspects and Applications, 11-13 November 2005, Palermo Italy. "Direct Measurements of Nonlinear Properties of Bipartite Quantum States".
INVITED	5. Third Workshop ad memoriam of Carlo Novero Advances in Foundations of Quantum Mechanics and quantum information with atoms and photons, INRIM (Galileo Ferraris), Torino, Italy, 2-5 May 2006. "Spatial Orientation by Quantum Telepathy".
INVITED	6. Workshop CRUI-Finmeccanica "Integrazione Scienza-Ingegneria per le Nanotecnologie: la collaborazione fra Finmeccanica e il sistema universitario", Torino, 24 May 2006. "Un (Quantum) Sniffer per il rilevamento di esplosivi".
	7. FOTONICA 2007, 21-23 May 2007, Mantova Italy. "Distribuzione di chiavi crittografiche sicure attraverso stati entangled".
	8. Central European Workshop on Quantum Optics, CEWQO 2007, Palermo, 1-5 June 2007. "Entropic Inequalities versus entropy-concurrence Plane".
INVITED	9. «Ettore Majorana» Foundation and Centre for Scientific Culture, International School of Quantum Electronics 44th Course: Advances on Nanophotonics II Erice-Sicily: 22 June - 2 July 2007. Lecture: "Entropic inequalities versus Entropy-concurrence plane".
INVITED	10. IV Workshop ad memoriam of Carlo Novero Advances in Foundations of Quantum Mechanics and quantum information with atoms and photons, INRIM (Galileo Ferraris), Torino, Italy, 19-23 May 2008. "Experimental Resistant to Noise Violation Bell's Inequalities for Polarization-Entangled Photons".
INVITED	11. International Workshop on Advances in Nanoscale nonlinear Optics 8-10 October 2008, Chiostro Facoltà di Ingegneria - Via Eudossiana 19 - Roma, Italy. "Bidirectional Secret Communication by Quantum Collisions".
INVITED	12. International Workshop on Advances in Nanoscale nonlinear Optics 8-10 October 2008, Chiostro Facoltà di Ingegneria- Via Eudossiana 19 - Roma, Italy. "Noncollinear Second Harmonic Generation from GaN films".
	13. International Workshop on Computational Intelligence for Information systems CISIS 2008 23- 24 October 2008 Genova "Bidirectional Secret Communication by Quantum Collisions".
INVITED	14. Trends on Processing Technologies AFCEA-Capitolo di Roma, 26 November 2008, Scuola Trasmissioni ed Informatica E.I., Caserma Perotti, Via dei Genieri 287 Cecchignola, ROMA. "Optical Quantum Computing".
INVITED	15. Giornata di studio sul tema: Crittografia nelle reti ottiche, 16 February 2009 Pavia (Italy). "Crittografia Quantistica: Introduzione e Stato dell'Arte".
	16. Nanotec2009 - nanotecnologie, competitività e innovazione per lo sviluppo industriale, 31 March-3 April 2009, Consiglio Nazionale delle Ricerche Roma (Italy). "Optical logic functions with nonlinear gallium nitride nanoslab".
INVITED	17. FOTONICA 2010, 25-27 May 2009, Pisa Italy. "Practical Quantum Cryptography: the Elsag Datamat Q-KeyMaker".
	18. FOTONICA 2009, 27-29 May 2009, Pisa Italy. "Optical logic functions with nonlinear gallium nitride nanoslab".
INVITED	19. Società Italiana di Fisica-XCV Congresso Nazionale. Bari, 28 September- 3 October, 2009. "Beyond Bell's Inequality".
	20. FOTONICA 2010, 25-27 May 2010, Pisa Italy. "Noncollinear Second Harmonic Generation as Tool of Characterization of Thin Films".
	21. FOTONICA 2010, 25-27 May 2010, Pisa Italy. "On the OAM in a quadratic nonlinear interaction off axis vortex beams".
INVITED	22. La sfida tecnologica della crittografia AFCEA-Capitolo di Roma, 1 July 2010. Scuola Trasmissioni ed Informatica E.I., Caserma Perotti, Via dei Genieri 287 Cecchignola, ROMA. "Practical Quantum Cryptography: the Elsag Datamat Q-KeyMaker".
INVITED	23. «Ettore Majorana» Foundation and Centre for Scientific Culture, International School of Quantum Electronics 44th Course: Advances on Nanophotonics III Erice-Sicily: 11 July - 18 July 2010. Lecture: "Practical Quantum Cryptography".
	24. Società Italiana di Fisica-XCVI Congresso Nazionale. Bologna, 20-23 September 2010. "Practical Quantum Cryptography: The Q-KeyMaker".
	25. Società Italiana di Fisica-XCVI Congresso Nazionale. Bologna, 20-23 September 2010. "Optical angular momentum in a quadratic nonlinear interaction of off-axis vortex beams".
INVITED	26. ISABEL 2010 - Sustainable Communication and Biological Technologies, 7-10 November 2010, Roma Italy. "Practical Quantum Cryptography: The Q-KeyMaker".
INVITED	27. Dominating the CyberWarfare- 3 rd Homeland Security Conference, 9-11 November 2010, Parco Vanvitelliano del Fusaro, piazza Rossini 1, Bacoli (NA). "Practical Quantum Cryptography: The Q-KeyMaker".
INVITED	28. Crittografia Quantistica Spaziale per Comunicazioni Sicure a Lunga Distanza AFCEA-Capitolo di Roma, 31 March 2011. C4 Difesa, Via Stresa 31b, ROMA. "Quantum Information and Communication Technology at Selex-SI".
INVITED	29. Fourth Italian Quantum Information Science Conference 2011, 18-20 April 2011, Vietri sul Mare, Salerno, Italy. "Quantum like representation of a Spiral Phase Plate".

Il presente *curriculum vitae*, è redatto ai fini della pubblicazione nella Sezione "Amministrazione trasparente" del sito web istituzionale dell'Ateneo al fine di garantire il rispetto della vigente normativa in materia di tutela dei dati. Il C.V. in versione integrale è conservato presso gli Uffici della Struttura che ha conferito l'incarico.

	30. 13o Convegno Nazionale sulle Tecniche Fotoniche nelle Telecomunicazioni FOTONICA 2011, 9-11 May 2011, Genova, Italy. "Representation of a Spiral Phase Plate as a Two-mode Quantum Phase Operator".
	31. 13o Convegno Nazionale sulle Tecniche Fotoniche nelle Telecomunicazioni FOTONICA 2011, 9-11 May 2011, Genova, Italy. "Optical properties of Bacteriorhodopsin by Nonlinear Ellipsometry".
INVITED	32. Workshop on Singular Optics and its Applications to Modern Physics, The Abdus Salam International Center for Theoretical Physics ICTP, 30 May - 3 June 2011, Trieste, Italy. "Representation of a Spiral Phase Plate as a two mode quantum Phase Operator".
INVITED	33. Crittografia Quantistica: nuove prospettive per la sicurezza delle comunicazioni, Sala Congressi Luigi Bacci - Centro Direzionale Esagono-Jesi 13 October 2011. "Crittografia Quantistica su Rete Metropolitana: il Q-KeyMaker".
INVITED	34. 2012 Winter College on Optics: Advances in Nano-Optics and Plasmonics, The Abdus Salam International Center for Theoretical Physics ICTP, 6-17 February 2012, Trieste, Italy. "Application to Quantum Information".
DIR.	35. Ettore Majorana Foundation and Centre for Scientific Culture organization DIRECTOR of Course ADVANCES ON NANOPHOTONICS -INTERNATIONAL SCHOOL OF QUANTUM ELECTRONICS 52nd Course ADVANCES ON NANOPHOTONICS IV ERICE - SICILY: JULY 17-29 2012 dal 17-07-2012 al 29-07-2012
INVITED	36. «Ettore Majorana» Foundation and Centre for Scientific Culture, International School of Quantum Electronics 44th Course: Advances on Nanophotonics IV Erice-Sicily: 17 - 29 July 2012. Lecture: "Quantum Interference on Plasmonic Circuits". (INVITED) dal 17-07-2012 al 29-07-2012
INVITED	37. «Ettore Majorana» Foundation and Centre for Scientific Culture, International School of Quantum Electronics 44th Course: Advances on Nanophotonics IV Erice-Sicily: 17 - 29 July 2012. Lecture: "Representation of a Spiral Phase Plate as a Two- mode Quantum Phase Operator".
PLENARY	38. Società Italiana di Fisica-XCVIII Congresso Nazionale. Napoli, 17 - 21 September, 2012. Plenary: "Practical Quantum Cryptography".
INVITED	39. EOS Annual Meeting 2012. Aberdeen, Scotland, 25-28 September, 2012. "Quantum Interference on Plasmonic Circuits". INVITED
INVITED	41. ESAS Summer School on New Trends with Superconducting Quantum Detectors at European Society for Applied Superconductivity (ESAS), 9-13 September 2013, Genova Italy. Lecture: "Quantum Cryptography".
INVITED	42. EOS Topical Meeting on Optics at the Nanoscale {ONS'13} 12-14 September 2013 Capri, Italy, "Plasmonics for quantum Information Processing".
INVITED	43. IICWG-23 Torino del 9-13 December 2013, "Security via Uncertainty: the Selex ES solution for Quantum Key Distribution (QKD)
INVITED	44. IT US DEFENSE SCIENCE & TECHNOLOGY DIALOGUE, 7-11 April 2014, Italian Embassy Washington dc, "Plasmonics for Quantum Computing".
	45. FOTONICA 2014, 12-14 May 2014, Napoli Italy. "Controllable Optical Beam Scan by Means of Nanopatterned Plasmonics Device".
INVITED	46. FOTONICA 2014, 12-14 May 2014, Napoli Italy. "The Q-KeyMaker: Quantum Cryptography Network".
INVITED	47. 3a edizione SEDA 2014 - Software Engineering for Defence Applications, Circolo Ufficiali delle Forze Armate, 22-23 September, Roma ITALY, "Device Independent Quantum Key Distribution: A Practical System".
INVITED	48. CLEO/Europe EQEC 2015 Sunday June 21st 2015 Thursday June 25th, 2015 in Munich {ICM} Germany. "Efficient Photonic Quantum Computing".
INVITED	49. EOS Topical Meeting on Optics at the Nanoscale (ONS'15) 17-19 September 2015 Capri, Italy, "Efficient Quantum Computing".
	50. NanoItaly 21-24 September 2015, Sapienza University of Rome Renaissance Cloister by Sangallo. "Efficient Plasmonic Quantum Processor".
	51. MAKER FAIRE ROME 2015 Aula Amaldi - Fisica - La "Sapienza" Rome, 16-18 Oct 2015. "Security via Uncertainty".
INVITED	52. School of Photonics 2016: "Plasmonics and Nano-Optics" July 10th-14th, 2016 Cortona, Italy. Lecture: "Plasmonics Quantum Computing"
	53. NanoInnovation 20-23 September 2016, Sapienza University of Rome Renaissance Cloister by Sangallo. "Noise estimation in a bi-photon entangled state".
KEYNOTE	54. NanoInnovation 20-23 September 2016, Sapienza University of Rome Renaissance Cloister by Sangallo. "NanoPhotonics for Efficient Quantum Computing".
	55. NanoInnovation 20-23 September 2016, Sapienza University of Rome Renaissance Cloister by Sangallo. "Hong Ou Mandel experiment on nanoplasmonic device".
INVITED	56. Workshop on Space Quantum Technologies, ASI Rome, 21-23 March 2017. "On Chip Devices Based on Intrasytem Entanglement".
PLENARY	57. CLEO/Europe-EQEC, 2017 Conference on Lasers and Electro-Optics Europe & European Quantum Electronics in Munich {ICM} Germany, 25-29 June 2017. "On Chip Intrasytem Quantum Entangled States Generator".
INVITED	58. EOS Topical Meeting on Optics at the Nanoscale {ONS'17} 10-14 September 2017, CNR Conference Center - Capri, Italy. "On Chip Intrasytem Quantum Entangled States Generator"
INVITED	59. Italian-Israel Workshop in Innovation in Devices and Systems for ICT, Rome/L'Aquila December 1-2 2017, "Practical Device Independent Quantum Key Distribution".
INVITED	60. FUTURE FORCES FORUM. International Platform for Trends & Technologies in Defence & Security, Prague, Czech Republic, October 17-19, 2018. "Quantum Safe Technologies: novel solutions and paradigms."
	61. ICASSP 2019, Brighton UK (15-17 May 2019) In Special Sessions: Emerging Quantum Signal Processing

	Paradigms. "Intrasystem entanglement generator and unambiguous Bell states discriminator on chip"
	62. WorkShop ESA-ASI Optical & Quantum Communication, Roma, 2 July 2019, "Entanglement Engineering for Quantum Communication and Cryptography"
INVITED	63. INCUBate AND DO, L'Aquila, 17 October 2019 "Quantum circuits for machine learning and cryptography".
KEYNOTE	64. CLEO EUROPE, 21-25 JUNE 2021, "Practical Quantum Communication and Computing".
INVITED	65. EOSAM 2021, Roma, 13-17 September 2021, "Practical Quantum Communication and Computing".
INVITED	66. EOSAM 2022, Porto 12-16 September 2022 "Demonstration of Cognitive Bias on a Noise Intermediate-Scale Quantum Processor"
	67. Società Italiana di Fisica 108° Congresso Nazionale 2022 Milano 12- 16 September 2022 , "Didattica del Quantum Computing nel Metaverso"
INVITED	68. CONVEGNO NETWORK ESERCITO 2030, Roma 30 November- 1 December 2022 "Crittografia quantistica: le possibili future applicazioni in ambito militare."
INVITED	69. EOSAM 2024, Napoli 9-13 September 2024" - "Quantum Phase Operator"
	70. EOSAM 2024, Napoli 9-13 September 2024" - "Phase-transition by continuous wave excitation supported by polarized Raman mapping as a fast and efficient optical tool to characterize VO2 polycrystalline Phase-Change thin films"

SEMINARS

29 November 2013	Dept. SBAI, Sapienza Università di Roma - Prof. Giuseppe Palumbo. "The Signature of Quantum Physics".
15 November 2013	Dept. SBAI Sapienza Università di Roma - Prof. Giuseppe Palumbo. "Security via Uncertainty: the Amazing Resources of Quantum Physics".
29 May 2012	Dept. SBAI, Sapienza Università di Roma - Prof. Giuseppe Palumbo. "Quantum Interference on Plasmonic Circuits".
7 June 2010	Dept. SBAI, Sapienza Università di Roma - Prof. Concita Sibilio. "Practical Quantum Cryptography: The Elsas Datamat Q-KeyMaker".
28 April, 8 May, 18 May 2009	Dept. SBAI, Sapienza Università di Roma - Prof. Concita Sibilio. "Quantum Cryptography: Applicazioni della Quantum Information"
17 February 2009	Università del Sannio (Benevento) - Prof. Antonello Cutolo "Crittografia Quantistica: introduzione e stato dell'arte".
24 January 2009	Dept. Energetica, Sapienza Università di Roma - Prof. Mario Bertolotti. "Quantum Cryptography". 4-6 June 2008
25 May 2007	Università di Genova, Scienza dei Materiali - Prof. Corrado Boragno. "Photonic Crystals".
26 May 2006	Università di Genova, Scienza dei Materiali - Prof. Corrado Boragno. "Photonic Crystals".
22 May 2006	Università di Genova, Scienza dei Materiali, - Prof. Corrado Boragno. "Quantum Cryptography"
25 July 2005	INFN, Università di Genova - Prof. Nino Zanghi "Experimental Violation of Entropic Inequalities".
7 June 2005	Università di Genova, Scienza dei Materiali, - Prof. Corrado Boragno. "Tecnologie quantistiche di seconda generazione"
26 March 2004	Huygens Lab, Leiden (Olanda), Quantum Optics & Quantum Information - Prof. Woerdman. "Demonstration of Entangled-photon link for Quantum Cryptography".
30 October 4 November 2003	Dipartimento di Bio-Elettronica, Università di Genova, Elettronica Industriale – Prof. Rodolfo Zunino. "Quantum Cryptography".
6 -7 November 2002	Dipartimento di Bio-Elettronica, Università di Genova, Elettronica –Prof. Rodolfo Zunino. "Quantum Cryptography".

STUDENTS SUPERVISION

II LEVEL MASTER THESIS SUPERVISOR	
	2022 – Daniele Giunchi 2022 – Nicola Giuri 2022 – Riccardo Scatamacchia 2022 – Cosimo Di Filippo 2022 – Andrea Simone Pinna
	2021 - Pietro De Lellis 2021 - Francesco Silvestri 2021 - Giulio Andini 2021 - Giuditta Montesanti 2021 - Antonio Battista 2021 – Angelo Labeni Grossi
	2020 - Vittorio Calligaris 2020 - Marcello Orlandesi 2020 - Simone La Riviera 2020 - Saverio De Vito 2020 - Salvatore De Mattia 2020 - Alessandro Comi
	2019 - Roberto Isabella 2019 - Cinzia Crostarosa 2019 - Fabio Villella

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	2017 - Alessandro Vernata 2017 - Luciano De Luca 2017 - Alessia Di Vito
	2015 - Roberto Ciliberti
	2014 - Edoardo Rondoni
PHD THESIS SUPERVISOR	
	2023 – Sara Riccio (Sapienza)
	2022 - Davide Daloisio (Sapienza)
	2021- Riccardo Falsini (Sapienza) 2021- Rincy Kunjumon (Sapienza) 2018-2021 Gabriele Riccardi
	2010-2012 Matteo Braccini
MASTER DEGREE THESIS SUPERVISOR	
	2023 Sara Riccio (Sapienza)
	2022 Davide Daloisio (Sapienza)
	2021 Riccardo Falsini (Sapienza) 2021 Rincy Kunjumon (Sapienza)
	2020 Emanuele Bellagamba (Sapienza) 2020 Flavia Santi (Sapienza)
	2018 Fabio Vilella (Sapienza)
	2017 Gabriele Riccardi (Sapienza)
	2016 Roberto Testa (Tor Vergata)
	2008 Massimiliano Dell'Anna (Genova) 2008 Samuele Ambrosetti (Genova)
	2006 Daniela Baggiani (Genova)
	2002 Michela di Pace (Tor Vergata)
COMPANY STAGE SUPERVISOR	
	2008 Mariano Damiani (Genova)
	2007 Laura Faure (Genova)
	2007 Silvia Berretta (Genova)
	2005 Samuele Ambrosetti (Genova) 2005 Massimiliano Dell'Anna (Genova)
	2004 Andrea Caviglia (Genova) 2004 Andrea Coccaro (Genova)
	2003 Franco Chiaravalloti (Genova) 2003 Nicoletta Garelli (Genova)

Dati personali Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".

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