

STEFANO LUPI

Curriculum Vitae

Part I – General Information

Full Name	Stefano Lupi
Date of Birth	02/12/1963
Place of Birth	Rome
Citizenship	Italian
Permanent Address	Rome, Via Vincenzo Rovero 2, 00135
Mobile Phone Number	+393332537579
E-mail	stefano.lupi@uniroma1.it
Spoken Languages	Italian (mother language), English (fluent), French (fluent)

Part II – Education

Type	Year	Institution	Notes (Degree, Experience,...)
University graduation	1989	Sapienza University of Rome	110/110 cum laude, Laurea Thesis: "Infrared Spectroscopy on the CD ₄ Molecular Quantum Solid";
Post-graduate studies	1989	Sapienza University of Rome	Six months post-graduate fellowship of GNSM-CNR for spectroscopic studies on molecular solids;
PhD in Physics	1990-1992	Sapienza University of Rome	PhD fellowship on " An Infrared Study of High-Tc Superconductors in their Normal Phase", at the Department of Physics, Sapienza University of Rome;
Post-Doc fellowship in the EU research program "Human Capital and Mobility"	1993-1995	LURE laboratory of the University of Paris-sud, France;	Infrared Synchrotron radiation investigation of High-Tc Superconductors;
Post-Doc fellowship	January 1996- June 1996	LURE laboratory of the University of Paris-sud, France;	Infrared Synchrotron radiation investigation on strongly correlated electronic systems;

Part III – Appointments

IIIA – Academic Appointments

Start	End	Institution	Position
1996	2004	Department of Physics, Sapienza University of Rome;	Permanent Researcher
2005	Now	Department of Physics, Sapienza University of Rome;	Permanent Associate Professor
2013	2018		National Scientific Qualification to Full Professor in Experimental Physics of Matter, 02/B1

IIIB – Other Appointments

Start	End	Institution	Position
2015	2017	MEPHI University Moscow;	Associate Professor
February 2016	October 2016	Department of Physics, University Statale Milano;	Visiting Professor
June 2010	October 2010	Max Planck CFEL Laboratory, Hamburg University, Germany;	Visiting Professor
November 2009	March 2010	Elettra Sincrotrone Trieste	Visiting Professor
October 2001	March 2002	University of Paris-sud, Paris, France;	Visiting Professor

Part IV Scientific Responsibilities

- 1) Responsible of the TERALAB laboratory (Frequency and Time Domain Terahertz Spectroscopy) at the Department of Physics, Sapienza University of Rome, Italy;
- 2) Responsible of the “Material Science” branch line (CNR/Sapienza) of the SISSI infrared and terahertz beamline at the Elettra Synchrotron, Trieste, Italy;
- 3) Co-Responsible of the FEMTOTERA terahertz beamline at the SPARC_LAB LNF-INFN, Frascati, Italy;
- 4) Co-Responsible of the TERA-FERMI terahertz beamline at FERMI@Elettra free electron laser, Trieste, Italy;
- 5) Since 2018 Responsible of the Gruppo-V INFN Call TERA for the development of a THz source for electron acceleration;

Part V –A Teaching experience at Sapienza

Year	Institution	Lecture/Course
Since 2005	Department of Physics, Sapienza University of Rome;	Spectroscopic Methods for Condensed Matter Physics;
Since 2016	Department of Scienze della Terra, Sapienza University of Rome;	Mechanics and Thermodynamics, Laurea Triennale;
Since 2010	PhD Lectures at Department of Physics, Sapienza University of Rome;	Spectroscopy on exotic electronic materials;
2011-2015	Department of Physics, Sapienza University of Rome;	Struttura della Materia, Laurea Triennale;
2008-2011	Department of Physics, Sapienza University of Rome;	Ottica e Laboratorio, Laurea Triennale;
2004-2008	Department of Physics, Sapienza University of Rome;	Laboratorio di Meccanica, Laurea Triennale;
1999-2000	Department of Physics, Sapienza University of Rome;	Esperimentazione Fisica II, Laurea quadriennale

Part V –B Abroad teaching experiences

Since 2007	Lectures in the International School of Synchrotron Radiation, Duino, Trieste, Italy;	Infrared Synchrotron Radiation: From the production to the use;
Since 2015	Lectures at MEPHI University, Moscow, Russia;	Infrared and Terahertz Spectroscopy on Strongly Correlated Electron Systems;
2000-2008	Lectures for the PhD in Physics, in the Department of Physics, Salerno University	Infrared and Terahertz Spectroscopy on Strongly Correlated Electron Systems;

Part VI – Student Tutoring

PhD Students

- 1) M. Autore, Thesis: “Terahertz and infrared study of Topological Insulators”;
- 2) F. D'Apuzzo, Thesis: “Materials for infrared and terahertz plasmonics”;
- 3) M. Daniele, Thesis: “Infrared, Dynamic light scattering and rheology of biocompatible gels”;
- 4) F. Giorgianni, Thesis: “Developments of advanced Terahertz sources for nonlinear and time-resolved terahertz spectroscopy”;
- 5) O. Limaj, Thesis: “Investigation of terahertz and mid-infrared metamaterials”;
- 6) I. Lo Vecchio, Thesis: “Metal to insulator transitions in strongly correlated oxides investigated by infrared and angle resolved photoemission spectroscopy”
- 7) G. Khmel (Bordi, Lupi), Thesis: “Investigation of structure-function relationship of biomolecules, using infrared spectroscopy, thermodynamics, Brewster angle microscopy analysis”;
- 8) L. Baldassarre (Calvani, Lupi), Thesis: “Optical properties of vanadium oxides”;
- 9) P. Di Pietro (Calvani, Lupi) “Optical properties of Bismuth-based Topological Insulators”;
- 10) D. Nicoletti (Calvani, Lupi), Thesis: “An infrared study of metallic-phase instabilities driven by temperature and doping in superconducting cuprates”;
- 11) C. Mirri (Calvani, Lupi), Thesis: “Exotic superconductors: an infrared spectroscopy study”;
- 12) M. Valentini (Lupi, Postorino), Thesis: “Infrared and Raman spectroscopy of cobaltites”;

Graduate Students (Laurea Thesis)

- 1) F. D'Apuzzo, Thesis: "Mid-infrared biosensing based on plasmonic devices";
- 2) S. De Rosa, Thesis: "Optical spectra of silicene";
- 3) V. Giliberti, Thesis: "Risposta elettromagnetica dai terahertz all'infrarosso di metamateriali innovativi";
- 4) F. Giorgianni, Thesis: "Metamateriali superconduttori";
- 5) Y. Huanyu, Thesis: "An apparatus for optical pump-terahertz probe spectroscopy";
- 6) I. Lo Vecchio, Thesis: "NMR and photoemission study of the electronic phase coexistence in V_2O_3 Mott-Hubbard insulator";
- 7) A. Marchese, Thesis: "Optical and terahertz properties of Dirac materials";
- 8) M. Rattà, Thesis: "Manipolazione della superconduttività nel FeSeTe con campi terahertz intensi";
- 9) A. Rovere, Thesis: "Spettroscopia non lineare su Isolanti Topologici";
- 10) A. Piacenti, Thesis: "Plasmonic excitations in nanoporous graphene";
- 11) R. Provenzano, Thesis: "infrared spectroscopy of microporous graphene";
- 12) G. Sparasassi, Thesis: "Study of the insulator to metal transition in thin films and single crystals of vanadium dioxide";
- 13) A. Starace, Thesis: "Dispositivi plasmonici infrarossi con metalli convenzionali e non: il caso dell' Au e dell'ITO";
- 14) L. Tenuzzo, Thesis: "Photoacoustic based graphene";
- 15) M. Autore (Calvani, Lupi), Thesis: "Infrared spectroscopy of charge-ordered cuprates";
- 16) L. Baldassarre (Calvani, Lupi), Thesis: "Effetti dell'ordinamento di carica nella conducibilità infrarossa del cobaltato di sodio Na_xCoO_2 ";
- 17) A. Borfecchia (Lupi, Maselli), Thesis: "Spettroscopia Infrarossa di catene artificiali di DNA";
- 18) P. Di Pietro (Calvani, Lupi), Thesis: "Proprietà ottiche del cuprato superconduttore $Sr_{2-x}CuO_2Cl_2$ nel limite di lacune diluite";
- 19) O. Limaj, Thesis: "Proprietà ottiche del superconduttore ad alta temperatura di transizione $Bi_2Sr_2-xLa_xCuO_6$ ";
- 20) D. Nicoletti (Calvani, Lupi), Thesis: "Studio della transizione metallo-isolante negli ossidi di vanadio V_3O_5 e V_2O_3 mediante spettroscopia infrarossa";
- 21) M. Vitucci (Lupi, Nucara), Thesis: "Transizioni isolante-metallo indotte dalla temperatura e dalla pressione in manganese doppie";

Graduate Students (Dissertazione Thesis)

- 1) A. Altamura, Dissertazione Thesis: "Produzione e uso della radiazione terahertz";
- 2) M. Campetella, Dissertazione Thesis: "Ottica con materiali ad indice di rifrazione negativo";
- 3) M. Chiaverini, Dissertazione Thesis: "Proprietà infrarosse del diossido di vanadio";
- 4) F. D'Apuzzo, Dissertazione Thesis: "Proprietà infrarosse di materiali plasmonici";
- 5) F. D'Arpino, Dissertazione Thesis: "Materiali con indice di rifrazione negativo";
- 6) O. Limaj, Dissertazione Thesis: "Ottica dei metamateriali";
- 7) I. Lo Vecchio, Dissertazione Thesis: "Ottica con metamateriali plasmonici";
- 8) D. Nicoletti, Dissertazione Thesis: "Lo spettro infrarosso del cobaltato di sodio Na_xCoO_2 ";
- 9) G. Musarra, Dissertazione Thesis: "Al di là del limite di diffrazione";
- 10) A. Petrella, Dissertazione Thesis: "L'effetto Fano";
- 11) M. Rattà, Dissertazione Thesis: "Spettri di assorbimento IR di acidi verdi";
- 12) P. Rissone, Dissertazione Thesis: "La fase di Berry";
- 13) N. Parente, Dissertazione Thesis: "Aspetti di risonanza Fano in sistemi interagenti";
- 14) P. Sciortino, Dissertazione Thesis: "Fisica dei metamateriali ottici";
- 15) L. Schade, Dissertazione Thesis: "La fase di Berry";

- 16) D. Vannicola, Dissertazione Thesis: “Teoria ed esperimenti sull’indice di rifrazione negativo”;
 17) N. Zilli, Dissertazione Thesis: “Proprietà infrarosse di materiali plasmonici”;

Part VII Department and Sapienza Responsibilities

- 1) Member of the PhD final-examination committee in Scienze della Terra, curriculum “Cultural Heritage”, Sapienza University (2017);
- 2) Member of Doctoral Committee “Modelli Matematici per l’Ingegneria, Elettromagnetismo e Nanoscienze” (2010-ora);
- 3) Responsible of the Didactic Laboratory of the Department of Physics B. Pontecorvo (2006-2011);
- 4) Member Department Committee “Borse Perfezionamento Estero” (2012-2015);
- 5) Member Department Committee “Studio-Lavoro” (2010-2013);

Part VIII - Society memberships, Awards and Honors

Year Title

Since 2011	Member of the Scientific Committee of the WIRMS (Infrared Microscopy and Spectroscopy with Accelerator Based Sources) workshop;
Since 2012	Member of the Scientific Committee of the SuperFox (Superconductivity and Functional Oxides) workshop;
Since 2014	Member of Proposal Committee “Matter & material properties: Structure, Organisation Characterisation, Elaboration” of Soleil Synchrotron;
2008-2010	Member of Council Committee of the CNR/INFM-COHERENTIA Research Institute

Part IX – Organized Conferences

2018	Chair of the 13th edition of the International LEES Conference (Low Energy Electrodynamics of Solids) to be held in Italy, June 2018;
2017	Co-Chair of the Workshop TERADAYS, on applications of terahertz radiation in High-Energy Physics, April 2017, Rome, Italy;
2016	Co-Chair of the International Workshop SAFE (Smaller And FastEr: Infrared and Terahertz Spectral-Imaging at the Nanoscale with Synchrotron Radiation and Free Electron Laser Sources), December 2017, Trieste, Italy;
2014	Chair of the International Workshop SuperFox (Superconductivity and Functional Oxides), September 2014, Rome, Italy;
2013	Co-Chair of the China-Italy bilateral Workshop on new generation infrared sources, December 2013, Beijing (China);
2011	Chair of the 6th International Workshop on “Infrared Microscopy and Spectroscopy with Accelerator Based Sources (WIRMS-2011)”, September, 2011, Trieste, Italy;

2004	Co-Chair of the International Workshop on “Infrared Microscopy and Spectroscopy with Advanced Light Sources”, October 2004, Trieste, Italy;
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Part X - Funding Information as PI-principal investigator

Year	Title	Program	Grant value
2018-2020	TERA: A THz source for particle acceleration	INFN	850 k€
2018-2020	Photoacoustic based on 3D Graphene	Graphene Flagship	110 k€
2017-2019	Linear, non-linear, and time-resolved Terahertz spectroscopy using the latest radiation sources;	MAE Executive Program of cooperation in the field of science and technology, Italy-Japan;	90 k€
2017-2018	Terahertz Research and Developments: Biomedicine Imaging with Terahertz Radiation;	Gruppo-V INFN	100 k€
2013-2016	Infrared and terahertz Spectroscopy at the SISSI and TERA FERMI facilities;	EUROFEL-CNR Activities	150 k€
2013-2015	Terahertz Pump-Probe Spectroscopy: FEMTOTERA	Gruppo-V INFN	150 k€
2011-2013	Terahertz Ultrashort Electron Beam Diagnostic: TERASPARC	Gruppo-V INFN	150 k€
2012	Fundamental properties and Applications of 2-Dimensional Dirac Electron Gases in Topological Insulators	Progetto Ricerca Sapienza	50 k€
2009	Pump-Probe Terahertz Spectroscopy	Sapienza AST	10 k€
2007	Infrared Spectroscopy on materials of physical, geological, and chemical interest at high-pressure	Grandi e Medie Attrezzature	60 k€
2005	Metal-Insulator Transition in Cuprates	Ateneo Sapienza	20 k€
2004	Developments of an Infrared Synchrotron Beamline at the Elettra Synchrotron, Trieste, Italy	Elettra Sincrotrone/CNR	1 M€

Total funding as PI 2,680 M€

Part XI – Research Activities

The research activity developed in these years has been focalized on the exotic low-energy excitations in condensed matter physics ranging from Dirac electrons in Topological Insulators and graphene, High-Tc superconductors, strongly correlated electronic systems, plasmonics, metamaterials, and Biophysics.

Specific electromagnetic sources in the Terahertz (THz) and Infrared (IR) spectral range, have been built for investigating the optical properties of these system and, in the most of cases, those sources have been also open to external users.

In the following I will summarize my activities and the main achieved results.

1. The low-energy electrodynamics of exotic electronic materials based on Dirac and Weyl electrons and their applications for non-linear terahertz optics, plasmonics, terahertz detectors and photoacoustic.

Most of materials in condensed matter physics are characterized by low-energy electronic excitations showing a quadratic energy/momentum dispersion (Schrodinger electrons).

Only recently, electrons with a linear energy/momentum (relativistic) dispersion (massless Dirac carriers), have been discovered first in graphene, and after in Topological Insulators and Weyl systems, and their potentialities in the fields of plasmonics and photonics have been readily recognized, leading to different applications in active and tunable optical devices.

Our recent research concerns the applications of Dirac electronic systems in terahertz optics in which we discovered a saturable absorption effect and tunable plasmon excitations in Topological Insulators.

Another research regards the plasmonic absorption in three-dimensional nanoporous graphene, where a Nature Communications paper has been published at the beginning of 2017 [F. D'Apuzzo et al, Nature Communications]. A patent has been finally submitted on the use of the three-dimensional graphene for photoacoustic and terahertz detector applications [European Patent Nr. 16 189 004.1].

Stefano Lupi is the responsible of the laboratory TERALAB at the Department of Physics, Sapienza University, Rome, Italy.

2. The optical, infrared and terahertz properties using conventional and synchrotron radiation of strongly correlated electronic materials as High-Tc superconductors (HCTS), transitional metal oxides (TMO) and 2D dimensional electron gases (2DEG);

Strongly correlated electronic materials (HCTS, TMO and 2DEG) represent one of the most important class of unconventional systems in Solid State Physics. Those systems are often characterized by a strong interplay of lattice, orbital, charge and spin degrees of freedom. Their similar energy scales determine competing ground states spanning from superconductivity, charge-ordering insulators, bad-metals etc etc. A transformation among those states can be obtained by changing external parameters like temperature, pressure and doping and this often corresponds to a Metal-to-Insulator Transition (MIT).

As a MIT strongly affects the low-energy electrodynamics, spectroscopic measurements from THz to UV may furnish information about:

- The optical conductivity as a function of frequency;
- The spectral weight of the Cooper condensate;
- The charge-ordering gap;

- The phononic excitations;
- The bosonic glue in superconductors;
- The low-energy modes associated to charge-ordering, Spin-Density-Wave and Charge-Density-Wave instabilities;

In the HCTS, for instance, we studied the $-T$ vs doping x - phase diagram both in $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$ electron-doped and in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ and $\text{Bi}_{2-x}\text{La}_x\text{SrCuO}_6$ hole-doped materials. This investigation suggests that in the HCTS normal phase incoherent and coherent charge carriers coexist in the Cu-O planes. The strong correlation also influences at high-temperature the charge electrodynamics. Here, we observed for the first time a strong renormalization of the Fermi-liquid and a tendency of reduction of quasi-particles coherence. Through the optical spectral weight dependences on T , we obtained a quantitative measurement of electronic correlation in many materials.

Frequency domain spectroscopic studies have been also extended in the time domain showing the presence of two bosons in the superconducting glue through fs-based pump-probe spectroscopy.

A Nature Physics on pump-probe spectroscopy on cuprates has been accepted at the beginning of 2017.

THz spectroscopy provided the possibility to measure the Cooper gap and the superconducting properties in new superconductors like cuprates, MgB_2 , boron-doped diamond, pectines and K_3C_{60} . Our measurements demonstrated, for instance, that diamond is a weak-coupling system showing a s-wave gap symmetry and in K_3C_{60} superconductivity can be enhanced by optically pumping specific phonon modes.

Another fruitful field of research concerns the physics of Transition Metal Oxides and strongly correlated systems. On this ground, we investigated the MIT through a combination of different experimental techniques: Raman, Photoemission, Infrared, performed in extreme conditions High-Pressure/High-Low Temperature. In particular, we revealed a metallic state induced in VO_2 above 15 GPa, in its monoclinic phase. In V_2O_3 , we observed for the first time a mesoscopic electronic phase separation across the MIT induced by pressure and temperature.

3. Plasmonics and Metamaterials.

A major role in metal optics is played by meta and plasmonic materials. These artificial systems can be fabricated by electron lithography and show several properties like super-transmittance, localization of electromagnetic field on sub-wavelength spatial scales, strong dependence of optical response to a small variation of physical properties at interfaces. We built-up a mid-IR plasmonic sensor which is sensitive to femtomoles of organic molecules. We also investigated THz plasmonic materials in order to probe the collective modes of macromolecules. We also studied the THz plasmonic response of metamaterials based on unconventional metals like HCTS and Topological Insulators, as their strong dependence on temperature and applied electric field, provides the possibility to modulate their plasmonic response. Moreover, we are studying the 2DEG forming at oxide interfaces. These gases could have interesting applications for tunable plasmonics.

4. The development of new sources and new instrumentations for infrared and terahertz spectroscopy.

Most of the low-energy excitations characterizing the ground states of exotic materials (see above) fall in the Terahertz and Infrared spectral range. Their spectroscopic investigation in frequency and time domain asks for new radiation sources providing high-brilliance, an improved temporal and spatial stability and a sub-ps time resolution.

In this regard, Infrared Synchrotron Radiation (IRSR) coupling high-brilliance with a large spectral

coverage has completely modified Infrared Spectroscopy and Microscopy, providing the possibility to perform previously unexplored experiments:

- Spectroscopy and Micro-Spectroscopy using diamond anvil cells for high-pressure experiments in the 10-100 GPa range;
- Micro-Chemical analysis of non-homogeneous systems;
- Spectroscopy of biological materials on the cellular spatial scales;
- Spectroscopy and spectromicroscopy on Geology and Cultural Heritage;

The SISSI beamline at ELETTRA, which collects both standard and edge radiation from a bending magnet, is one of the most performant infrared beamline in Europe. SISSI has been projected, mounted and characterized in the last years by S. Lupi through a collaboration between ELETTRA-Sincrotrone Trieste, INFN/CNR and University of Rome La Sapienza.

SISSI provides the possibility to perform spectroscopy and microspectroscopy measurements at the diffraction limit in the infrared range. The brilliance gain of SISSI has been used for reflectivity measurements at high pressure in diamond anvil cells and for infrared imaging in Biophysics. Recently, IRSR has been extended to low frequency in order to cover the THz region where a flux gain of about 4 order of magnitude with respect to conventional sources has been achieved. Steady-state THz radiation is extremely important for investigating the low-energy excitations in many field of science like collective modes in macromolecules, coherent modes in superconductors and CDW/SDW materials, the superconducting gap in exotic superconductors, etc, etc (see above).

S. Lupi is responsible of the material science branch of the SISSI Infrared beamline at Trieste.

Recently high-power, sub-ps pulsed THz radiation has been realized to play a fundamental role in pump-probe and non-linear experiments. Indeed, sub-ps THz pulses can be used to a resonantly pumping of low-energy modes and studying their relaxation towards the equilibrium. At high-intensity, this radiation may be used to modify the ground state of systems, providing a pure quantum control of matter.

On this ground we started the FEMTOTERA project for extracting and using the THz radiation at the Free Electron Laser SPARC-INFN in Frascati, Italy. Through this project, within a collaboration between INFN and University of Rome La Sapienza, we produced 100 fs/25 microJoule pulsed THz radiation. This THz source is strongly competitive and THz Pump-THz Probe experiments have been performed and others are on going.

S. Lupi has in charge the scientific activity of the THz project in Frascati, Italy.

A new Terahertz project has been proposed to the Fermi@Elettra free electron laser in 2010. This project that concerns the development of a Terahertz beamline at the Fermi machine has been approved in 2013 and financed through a collaboration among CNR and ELETTRA. The THz beamline TERA-FERMI emits THz pulses with a time duration of 50 fs, covering a spectral range up to 10 THz. The energy per pulse reached 100 microJ, which corresponds to a THz electric field of about 10 MV/cm (the atomic electric field). The beamline has been open to external users in January 2017.

S. Lupi is co-responsible of the scientific activity of the THz project at Fermi.

5. The infrared and terahertz investigation of materials with biophysical interest;

We have been studied mid-IR spectra of monolayers and bilayers of binary mixing of phospholipids in order to obtain information on the phase separation phenomena existing in these systems. Moreover, we have investigated the modification of enzyme secondary structure in proteins attached to

nanocarriers. Recently, I proposed a project for using THz and Near-IR radiation for biomedical imaging on skin-cancer. This project has been financed by INFN (see above).

Part XII – Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [International]	245	SCOPUS	1988	2018
Numbers of Talk in International Conferences/Workshops	2 Plenary+49 Invited+14 Contributed		2007	2018
Book Chapter [scientific]	3	ISI+SCOPUS	1988	2018

Hirsch (H) index	32
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Among them 1 Nature, 1 Nature Nanotechnology, 2 Nature Physics, 2 NanoLetters, 4 Nature Communications, 18 Phys. Rev. Lett., 4 Nature Scientific Report, 2 ACS Photonics, 2 Soft Matter, 35 Phys. Rev. B., 3 Book Chapters.

Part XIII- Patent

I have a patent (European Patent Nr. 16 189 004.1) on:

Transducer for electromagnetic and thermo-acoustic wave based on three dimensional graphene structure

CURRICULUM VITAE

CATIA CONTI



CATIA.CONTI@LNF.INFN.IT



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COMPETENZE

Gestione e rendicontazione progetti di ricerca finanziati dalla Commissione Europea (programmi FP4,5,6,7 ed H2020), NATO, MIUR, MISE, MAECI, ASI, ESA, Regione Lazio e Regione Calabria, Fondazioni Americane (Silicon Valley e John Templeton).

Gestione e rendicontazione attività di Trasferimento Tecnologico in ambito commerciale (Progetto MAXIMA, Progetto EUROGAMMAS).

ESPERIENZA

POSIZIONE LAVORATIVA:

Dal 02 marzo 1998 Collaboratore di Amministrazione presso il Servizio di Amministrazione dei Laboratori Nazionali di Frascati – Istituto Nazionale di Fisica Nucleare

Dal 2012 Funzionario di Amministrazione presso il suddetto Servizio.

Dal 2017 Responsabile Ufficio Rapporti con l'Estero.

Dal 2018 Responsabile Ufficio Rendicontazione Fondi Esterni.

ISTRUZIONE

TITOLI DI STUDIO E CERTIFICAZIONI CONSEGUITE:

Diploma Maturità Magistrale conseguito nel 1985 presso Istituto Alfredo Oriani, Roma;

Laurea in Lingue e Letterature Straniere conseguita nel 1996 presso Terza Università degli Studi di Roma;

Certificazione First Certificate English conseguita nel 2001;

Master in EuroProgettazione H2020 conseguito nel 2015;

Certificazione di Project Management di Base conseguita presso LUISS di Roma nel 2013;

Certificazione Internazionale PRINCE2 Foundation conseguita presso LUISS di Roma nel 2015.

COMPETENZE LINGUISTICHE

Ottima conoscenza della lingua Inglese, scritta e parlata, con particolare riferimento all'inglese in ambito tecnico- scientifico e commerciale;

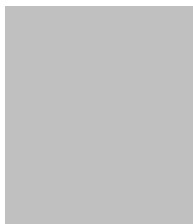
Buona conoscenza della lingua spagnola, scritta e parlata;




Buona conoscenza della lingua tedesca, scritta e parlata;

Sufficiente conoscenza della lingua francese, scritta e parlata;

Conoscenza di base della lingua giapponese, scritta e parlata.

09/05/2019

INFORMAZIONI PERSONALI**Tiziano Ferro**

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Maschio | 13/01/1962 | Italiana

**ESPERIENZA
PROFESSIONALE**

Dal 01 Febbraio 2015

INFN – Laboratori Nazionali di Frascati
Responsabile del Servizio di Amministrazione

Via E. Fermi 40, 00044 FRASCATI (ROMA)

Incarico di Responsabile Amministrativo ed organizzazione delle attività amministrative dei Laboratori e del Gruppo Collegato di Cosenza
Gestione di un bilancio di circa €25.000.000
Responsabile di un team di 15 persone, distribuite in 6 Uffici ed interazioni con circa 500 persone tra dipendenti e personale associato

Dal 01 Settembre 2013 al 31 Gennaio 2015

INFN – SEZIONE DI BOLOGNA e CNAF
Responsabile del Servizio di Amministrazione delle due Strutture INFN

Viale C. B. Pichat 6/2. 40127 BOLOGNA

Incarico di Responsabile Amministrativo ed organizzazione delle attività amministrative della Sezione di Bologna e del CNAF
Gestione di un bilancio di circa €9.000.000
Responsabile di un team 8 persone ed interazioni con circa 350 persone tra dipendenti e personale associato

Dal 01 Giugno 1995 al 31 Agosto 2013

INFN – SEZIONE DI BOLOGNA
Responsabile del Servizio di Amministrazione della Sezione di Bologna

Viale C. B. Pichat 6/2. 40127 BOLOGNA

Incarico di Responsabile Amministrativo ed organizzazione delle attività amministrative della Sezione di Bologna
Gestione di un bilancio di circa €5.000.000
Responsabile di un team 6 persone ed interazioni con circa 300 persone tra dipendenti e personale associato

Riorganizzazione del lavoro all'interno del Servizio di Amministrazione, con l'inserimento della rotazione del lavoro tra il personale del Servizio, garantendo così la continuità delle

attività, in periodi di ferie o di assenze.

Dal 15 giugno 1999 al 31 agosto 2005 Rappresentate Nazionale del Personale Tecnologo, Tecnico ed Amministrativo nel Consiglio Direttivo dell'INFN

Attività nel Consiglio di Amministrazione dell'INFN

Dal 2003 al 2004

Ho collaborato, su richiesta del Prof. Antonino Zichichi, Presidente del Museo Storico della Fisica e Centro Studi e Ricerche "Enrico Fermi" ed autorizzato dal Presidente dell'INFN, Prof. Enzo Iarocci, per la riorganizzazione, lo sviluppo e la gestione amministrativa del Centro Fermi

Dal 1993

Inquadrato nel Profilo di Collaboratore di Amministrazione V livello

Dal 26 aprile 1993

Assunto nell'INFN presso l'Amministrazione Centrale nella Direzione Affari Generali ed Ordinamento – Servizio Affari Assicurativi e Sociali

ISTRUZIONE E FORMAZIONE

1980

Diploma di Maturità Scientifica presso l'Istituto Gian Battista Vico – Roma

21 aprile 2006

Conseguito il Patentino Europeo Informatico ECDL

COMPETENZE PERSONALI

Lingua madre

Italiano

Altre lingue

Buona conoscenza della lingua inglese

Competenze comunicative

possiedo ottime competenze comunicative acquisite durante la mia esperienza di Responsabile dei Servizi di Amministrazione e di Rappresentante Nazionale del Personale TTA

Competenze organizzative e gestionali

Leadership: attualmente responsabile di un team di 15 persone, distribuite in 6 Uffici ed interazioni con circa 500 persone tra dipendenti e personale associato. Ho riorganizzato i flussi di lavoro tra i vari uffici e informatizzato molte procedure, cercando di ridurre al minimo l'utilizzo di carta e stampe, semplificato l'iter di procedure di acquisto e missioni, razionalizzando l'organizzazione.

Gestione di fondi Istituzionali e fondi esterni (UE, MIUR, MAE, PRIN etc) e Financial Officer di tutti i fondi gestiti nei Laboratori Nazionali di Frascati e del Gruppo Collegato

di Cosenza

Competenze professionali

Ottimo livello di competenza professionale, acquisita nei 34 anni di attività all'interno dell'INFN e nei 23 anni di Responsabile dei Servizi di Amministrazione

Ho partecipato come membro e/o presidente di numerose Commissioni di Gara per acquisti e di Commissioni di Concorso e Selezioni per assunzioni di personale a tempo Indeterminato e/o Determinato

Competenze informatiche

Buona conoscenza delle applicazioni Office; dei sistemi operativi Windows ed Apple; utilizzo di Oracle Application – Suite E-Business.
Utilizzo di applicazioni di posta elettronica e di video conferenze

Patente di guida

In possesso di patente categoria C