

Nazionalità: Italiana |

● **ESPERIENZA LAVORATIVA**

01/09/2006 – 31/08/2007

INGEGNERE PROGETTISTA DI IMPIANTI DI RISCALDAMENTO E CLIMATIZZAZIONE – BUILDING PHYSICS DEPARTMENT
FACULTY OF ENGINEERING SAPIENZA

Consulting Assignment for the preparation of a manual for the design of air conditioning equipment in civil-service sector.

Rome, Italia

01/10/2008 – 05/04/2009

INGEGNERE ELETTRICO – PROF. ING. FABRIZIO CUMO

Executive photovoltaic plant Project connected in parallel to the mains 18 kWp on behalf of the House of Representatives

Rome, Italia

03/04/2008 – 07/05/2009

INGEGNERE AMBIENTALE – ECOMEDIA SRL

Preliminary design for the construction of an eco-sustainable building called Zero Impact Building with the integration of the best available technologies from renewable energy sources for the City of Ladispoli.

Rome, Italia

01/03/2009 – 10/05/2009

INGEGNERE AMBIENTALE – EA CONSULTING

Architectural Detailed design and plant with supervision, Infopoints energy self-sufficient by means of architectural integration and plant within the Asinara park.

Rome, Italia

06/07/2008 – 15/09/2009

TECNICO DI IMPIANTI DI RISCALDAMENTO, CLIMATIZZAZIONE E REFRIGERAZIONE – MINISTRY OF THE ENVIRONMENT. MUNICIPALITY OF ROME

Designing pilot plant building for sustainable construction and plant integration environmentally friendly at the park Spinaceto area in Rome.

Roma

01/03/2007 – 30/09/2009

TECNICO PROGETTISTA DI IMPIANTI DI RISCALDAMENTO, CLIMATIZZAZIONE E REFRIGERAZIONE – BUILDING PHYSICS DEPARTMENT FACULTY OF ENGINEERING SAPIENZA (PROGETTO FISR)

Collaboration in drafting chap. 4 plants within the "National Action Plan of sustainable building Line 4 and Line 2 of Annex III Activity 3 entitled" Comparative analysis and DOCET BESTClass applied to the historic building pilot project. "FISR software sector study of the sustainable building aimed for rational use of resources and reducing consumption.

Via Eudossiana,18, 00184, Rome, Italia

10/10/2009 – 10/10/2009

INGEGNERE PROGETTISTA DI IMPIANTI DI RISCALDAMENTO E CLIMATIZZAZIONE – PRIVATE CONDOS

Special maintenance and regulatory compliance and executive design for retrofitting ISPEL communal heating plant (214 kW)

Rome, Italia

01/12/2009 – 15/01/2010

ENGINEER ENVIRONMENTAL, EXPERT GIS – ECOMEDIA SCRL

Spatial analysis with GIS application of environmental impacts related to an Intercompany Plant for Anaerobic Digestion of Buffalo Waste to be carried out in the territory of the Municipality of Amaseno (FR).
Evaluation in the GIS environment of biogas production from bovine waste.

Rome, Italia

01/01/2010 – 31/12/2010

INGEGNERE AMBIENTALE – BUILDING PHYSICS DEPARTMENT ENGINEERING FACULTY SAPIENZA

Assignment of study for the Department of Technical Physics for "Feasibility Study for the construction of power generation systems using renewable sources within the port areas of Anzio, Formia, Terracina and Ventotene to power systems and infrastructure port areas themselves and the boats hosted".

Via Eudossiana,18, 00184, Rome, Italia

02/05/2013 – 13/12/2013

INGEGNERE AMBIENTALE – FABRIZIO CUMO

Technical advice on energy efficiency and auditing activities on behalf of the Chamber of Deputies

Rome, Italia

01/04/2014 – 31/07/2014

ENGINEER SENIOR DESIGN – NOVIGOS SRL

Tender consultant;

Supervision of the technical contents prepared by the working group, with particular reference to interventions prepared by the technical study identified by the customer;

Definition of the maintenance plan, and proposals for improvement;

Rome, Italia

04/2007 – 02/2016

ASSISTENTE INGEGNERE – FABRIZIO CUMO

Support to management for design and maintenance of electrical systems MT / BT buildings of the Chamber of Deputies.

Rome, Italia

2014 – 02/2017

[HTTP://DATA.EUROPA.EU/ESCO/OCCUPATION/23100](http://data.europa.eu/ESCO/OCCUPATION/23100) – FACULTY OF ARCHITECTURE ROMA SAPIENZA

Course of Environmental Building Physics in the course of Science in Architecture (100 h).
Academic years 2014-15, 2015-16.

Roma, Italia

01/06/2017 – 31/12/2017

ENGINEER SENIOR DESIGNER – REGIONE LAZIO, AREA 12 TRASPORTO MARITTIMO, INFRASTRUTTURE PORTUALI E LOGISTICHE

Feasibility study for the implementation of operations port with integrated systems "smart" data acquisition and return of information in the ports of Anzio Terracina Formia Ponza and Ventotene.

Rome, Italia

01/10/2017 – 01/04/2018

POST DOC IN ENERGETICS – CITERA RESEARCH CENTRE SAPIENZA UNIVERSITY

Member of the working group

Ministry of Economic Development - ENEA Program Agreement

Research Topic: Nearly Zero Energy Buildings (nZEB)

Project D.2.1: Studies on the energy requalification of the existing park of public buildings (schools, hospitals, central and local PA offices) aimed at achieving the definition of almost zero energy buildings (nZEB)

Objective e.1: Energy measurements of high-performance buildings. Comparison between data deriving from the calculation and actual data.

Rome, Italia

01/09/2018 – 30/10/2018

ENGINEER AND EXPERT – IND.ECO. SRL

Biogas from landfill and energy conversion efficiency.

Quality of biogas and its components: implications of motor cogeneration systems under controlled waste landfills

Latina, Italia

01/12/2018 – 07/12/2018

ADJUNCT PROFESSOR IN ENVIRONMENTAL BUILDING PHYSICS – CITERA RESEARCH CENTRE SAPIENZA UNIVERSITY

Responsible for the support of the activities of the European program IUC International Urban Cooperation - between Italy and China.

Head of Delegation for IUC missions for the Education cluster, Smart Cities, Cultural Heritage and digital design innovative protocol construction on age friendly built environment in Yantai and Kunming China

Rome, Italia

07/01/2019

ENGINEER SENIOR DESIGNER – IND.ECO SRL

Environmental impact, electric design, and design management of 1MW Solar PV Grid Connected Power Plant on waste controlled landfill.

Latina, Italia

01/04/2019 – 30/05/2019

INGEGNERE AMBIENTALE – GEA SRL

Technical and economic analysis of a joint production plant hydrogen and biogas resulting from the upgrade system for a new landfill and at the end of the incentive cycle.

Rome, Italia

01/06/2019

HEAD OFFICER OF INTERNATIONAL RELATIONS – CITERA RESEARCH CENTRE SAPIENZA

Support to the CITERA center director's office for management and coordination for an agreement of cultural and scientific cooperation between the Sapienza University of Rome and the University of Costa Rica (UCR).

Rome, Italia

01/06/2019

HEAD OFFICER OF INTERNATIONAL RELATIONS – CITERA RESEARCH CENTRE SAPIENZA UNIVERSITY

Support to the CITERA center director's office for management and coordination for an agreement of cultural and scientific cooperation between the Sapienza University of Rome and the University of Panama (Universidad Tecnologica de Panama UTP).

Rome, Italia

07/06/2019 – 14/06/2019

ADJUNCT PROFESSOR IN ENVIRONMENTAL BUILDING PHYSICS – CITERA RESEARCH CENTRE SAPIENZA UNIVERSITY

Responsible for the support of the activities of the European program IUC International Urban Cooperation - between Italy and China.

Head of Delegation for IUC missions for the Education cluster, Smart Cities, cultural heritage and digital design innovative construction in Chengdou and Liuzhou China

Rome, Italia

01/05/2019 – 30/06/2019

INGEGNERE AMBIENTALE – IND.ECO. SRL

Proposal for a demonstration project for the conversion of a biogas plant through the implementation of a subsystem of renewable hydrogen production.

Latina, Italia

21/09/2019 – 29/09/2019

HEAD OFFICER OF INTERNATIONAL RELATIONS – CITERA RESEARCH CENTRE SAPIENZA UNIVERSITY

Responsible for the support of the activities of the European program IUC International Urban Cooperation - between Italy and China.

Head of Delegation for IUC missions for the Education cluster, Smart Cities, cultural heritage, digital innovative framework in construction in Nanning and Liuzhou in China

Rome, Italia

01/10/2019

HEAD OFFICER OF INTERNATIONAL RELATIONS – CITERA RESEARCH CENTRE SAPIENZA UNIVERSITY

Designer and coordinator of International Summer School Sustainable Architecture, Sustainable Energy Sources (ERA) in Architecture, Tools, and advanced design methods for the digitization of the building design in solutions process integrated GIS-BIM with applications even in HBIM (Heritage BIM) "with academic institutions in Albania, Panama, Costa Rica

Rome, Italia

14/10/2019 – 19/10/2019

HEAD OFFICER OF INTERNATIONAL RELATIONS – CITERA RESEARCH CENTRE SAPIENZA UNIVERSITY

Responsible for the support of the activities of the European program IUC International Urban Cooperation - between Italy and China.

Head of Delegation for IUC missions for the Education cluster, in Seventh Asia-Pacific Urban Forum (APUF-7) at APUF in Penang, Malaysia.

Research presented:

Crowdsourcing and photogrammetry as an alternative tool to visualize cultural heritage.

Approach to the dimensional and perceptual quality of reconstructed 3D models

Rome, Italia

15/10/2019 – 19/10/2019

ADJUNCT PROFESSOR ENVIRONMENTAL BUILDING PHYSICS – CITERA RESEARCH CENTRE SAPIENZA UNIVERSITY

Seventh Asia-Pacific Urban Forum (APUF-7) Penang, Malaysia,

Themes presented:

- Ageing society
- Design
- Digital Construction GIS-BIM
- Urban agriculture
- Urbanism
- Safety

Topics presented and coordinated in specific workshops

- Crowdsourcing and photogrammetry as an alternative tool to visualize cultural heritage.
- Approach to the dimensional and perceptual quality of reconstructed 3D models.
- SMART CITY AND AGEING SOCIETY: A NEW CHALLENGE
- Age-friendly Design Criteria and Certification for Buildings and Urban Space.

Rome, Italia

20/10/2019 – 28/10/2019

HEAD OFFICER OF INTERNATIONAL RELATIONS – CITERA RESEARCH CENTRE SAPIENZA UNIVERSITY

Responsible for the support of the activities of the European program IUC International Urban Cooperation - between Italy and China.

Head of Delegation for IUC missions for the Education cluster, Smart Cities, circular economy, digital innovative framework in construction in Nanjing and Yantai in China

Rome, Italia

07/07/2003 – ATTUALE

ENGINEER SENIOR DESIGN AND CONSTRUCTION MANAGER – CONDOS AND PRIVATE BUILDINGS

Consultancy activities for ordinary and extraordinary maintenance of buildings or individual apartments in the field of architectural design and facilities. Consulting and support for urban planning and cadastral compliance of buildings.

Rome, Italia

01/01/2014 – ATTUALE

INGEGNERE ELETTRICO – FABRIZIO CUMO

Collaboration in the design of solar thermal systems in the Chamber of Deputies building service.

Rome, Italia

01/08/2014 – ATTUALE

SCIENTIFIC PAPER REWIEVER – SUSTAINABLE CITY AND SOCIETY ELSEVIER

Reviewer of scientific articles for the following journals:

"Sustainable City and Society" by Elsevier

"Energies" MDPI

"International Journal of Environmental Research and Public Health" MDPI

11/2014 – ATTUALE

HTTP://DATA.EUROPA.EU/ESCO/OCCUPATION/23100 – FACULTY OF ARCHITECTURE ROME SAPIENZA

Member of the teaching and scientific council of the Higher education Course BIM- Building Information Modeling, sponsored and organized by the Faculty of Architecture of the Sapienza University of Rome. The Course aims to train new professionals dedicated to the Integrated Management of Information related to the life cycle of buildings, from

Project Owners and Individuals, Designers, Builders, and even managers as a result of recent legislative changes envisaged by the New of the Public Contracts Code, Legislative Decree 50/2016 and regulated by UNI 11337: 2016.

Rome, Italia

10/01/2015 – ATTUALE

REVIEW SCIENTIFIC PAPER – PASSIVE AND LOW ENERGY ARCHITECTURE (PLEA) 2015 - 2018 CONFERENCE

Revision of scientific articles for Passive and Low Energy Architecture (PLEA) 2015-2018.

04/2015 – ATTUALE

POST DOC MIN ENERGETICS – ISES ITALIA SEZIONE DELL'INTERNATIONAL SOLAR ENERGY SOCIETY

President examination board for energy certifiers enable.

Roma, Italia

01/05/2019 – ATTUALE

HEAD OFFICER OF INTERNATIONAL RELATIONS – CITERA RESEARCH CENTRE SAPIENZA UNIVERSITY

Responsible for the processes related to the internationalization of the CITERA center;
Responsible for the coordination of international relations and support the internationalization of CITERA center policies;
Support to the governing bodies in drawing up strategic plans for internationalization;
Management of international inter-university cooperation agreements;
Management Community programs;
Management of funding dedicated to internationalization, hospitality, and mobile students and faculty.

Rome, Italia

04/05/2019 – ATTUALE

ADJUNCT PROFESSOR IN ENVIRONMENTAL BUILDING PHYSICS – CITERA RESEARCH CENTRE SAPIENZA UNIVERSITY

Design, development, and implementation of a Web PPGIS and DAM integrated platform for the municipal asset of Municipality of Rome

Roma, Italia

07/07/2019 – ATTUALE

INGEGNERE AMBIENTALE – ECOPLAST ECOLOGIA Y PLASTICO

Technical and scientific consultancy for Reuse and Upcycling of Municipal Waste for ZEB Envelope Design in Panamá in cooperation with ANCON.org

Panamà City, Panama

01/10/2019 – ATTUALE

ADJUNCT PROFESSOR IN ENVIRONMENTAL BUILDING PHYSICS – DEPARTMENT OF PLANNING, DESIGN, AND TECHNOLOGY OF SAPIENZA FACULTY OF ARCHITECTURE

Designer, coordinator, lecturer, and fundraising of International Summer School on *BIM & Energy efficiency* in Faculty of Architecture at Universidad de Costa Rica in February 2021.

Rome, Italia

01/11/2019 – ATTUALE

ADJUNCT PROFESSOR IN ENVIRONMENTAL BUILDING PHYSICS – CITERA RESEARCH CENTRE SAPIENZA UNIVERSITY

Designer, coordinator, lecturer, and fundraising of International Summer School on *BIM: from design to construction* in Universidad Tecnologica de Panama (UTP) in January 2021

Rome, Italia

● **COMPETENZE LINGUISTICHE**

Lingua madre: ITALIANO

Altre lingue:

	COMPRESIONE		ESPRESSIONE ORALE		SCRITTURA
	Ascolto	Lettura	Produzione orale	Interazione orale	
SPAGNOLO	C2	C2	C2	C2	C1

Livelli: A1 e A2: Livello elementare B1 e B2: Livello intermedio C1 e C2: Livello avanzato

● **PUBBLICAZIONI**

Publications

Misure energetiche di in edificio a elevate prestazioni.
2018

F. Rosa, F. Cumo, C. Romeo, F. Nardecchia, A. D'Angelo, B. De Lieto Vollaro (2018), Misure energetiche di in edificio a elevate prestazioni. Confronto tra dati derivanti da calcolo e dati effettivi., ENEA-MISE RdS/PAR/2016.

Hybrid systems for lowering historic build

Rosa F., Lo Basso G., Astiaso Garcia D., Cumo F., (2017)
2017

An analysis on technological plant retrofitting on the masonry behaviour structures of 19th century

Atti Climamed 2017 Mediterranean Conference on climatization, Matera 12-13 maggio Italy
2017

Rosa F., Carbonara E., (2017), An analysis on technological plant retrofitting on the masonry behaviour structures of 19th century Traditional Historical Buildings (THB) in Rome , Atti Climamed 2017 Mediterranean Conference on climatization, Matera 12-13 maggio Italy

Estimating the potential biomasses energy source of forest and agricultural residues in the Cinque

70° Congresso Nazionale ATI – Roma, 9-11 Settembre 2015. Roma, 9-11 Sett 2015, Energy Procedia,
2015

Rosa F., Astiaso Garcia D., Sangiorgio S., (2015), Estimating the potential biomasses energy source of forest and agricultural residues in the Cinque Terre Italian National Park, In: 70° Congresso Nazionale ATI – Roma, 9-11 Settembre 2015. Roma, 9-11 Settembre 2015, Energy Procedia, 82, pp. 674-680.

Introduzione alla riqualificazione energetica ed ambientale degli edifici storici: il caso "Rom

SCIENZA E TECNICA, vol. 511-512, p. 8-11, ISSN: 0582-2580

Rosa F., Tiberi M.G., (2013). Introduzione alla riqualificazione energetica ed ambientale degli edifici storici: il caso "Roma"
.SCIENZA E TECNICA, vol. 511-512, p. 8-11, ISSN: 0582-2580

CHEMICAL ENGINEERING TRANSACTIONS. vol.32, p. 115-120,
2013

Astiaso Garcia D., Cumo F., Gugliermetti F., Rosa F., (2013). Hazardous and Noxious Substances (HNS) Risk Assessment along the Italian Coastline. In: Editors in Chief: Sauro Pierucci, Jiří J. Klemeš. CHEMICAL ENGINEERING TRANSACTIONS. vol.32, p. 115-120, ISBN: 978-88-95608-23-5, Milano, 2-5 June 2013, doi: 10.3303/CET1332020

Voce "Tessuti tecnici" in L'enciclopedia di Architettura, UTET(2012)

L'enciclopedia di Architettura, UTET(2012)
2012

Voce "Tessuti tecnici" in L'enciclopedia di Architettura, UTET(2012) approvato e in stampa, Direzione Scientifica Proff. Giovanni Carbonara, Giuseppe Strappa

Voce "Tensostrutture" in L'enciclopedia di Architettura

L'enciclopedia di Architettura, UTET(2012)
2012

Voce "Tensostrutture" in L'enciclopedia di Architettura, UTET(2012) approvato e in stampa, Direzione Scientifica Proff. Giovanni Carbonara, Giuseppe Strappa

La riqualificazione ambientale degli edifici storici: i tetti verdi

ATI – Trieste, 11-14 Settembre 2012. Trieste, 11-14 Settembre 2012, ISBN: 978-88-907676-0-9
2012

Cumo F., Calcagnini L., Vivio B., Rosa F., (2012). La riqualificazione ambientale degli edifici storici: i tetti verdi. In: 67° Congresso Nazionale ATI – Trieste, 11-14 Settembre 2012. Trieste, 11-14 Settembre 2012, ISBN: 978-88-907676-0-9

Urban policies and sustainable energy management.

ISSN: 2210-6707, doi: 10.1016/j.scs.2012.03.003
2012

Cumo F., Astiaso Garcia D., Calcagnini L., Rosa F., Sferra A. S., (2012). Urban policies and sustainable energy management. Sustainable cities and society, vol. 4, p. 29-34, ISSN: 2210-6707, doi: 10.1016/j.scs.2012.03.003

Metodologia di valutazione di impatto ambientale: il caso studio dei sistemi energetici a biomassa

63° Congresso nazionale ATI. Palermo, 23-26 settembre 2008;
2008

Gugliermetti F.; Rosa F. A.C. Violante; (2008). Metodologia di valutazione di impatto ambientale: il caso studio dei sistemi energetici a biomassa in aree naturali protette. In: 63° Congresso nazionale ATI. Palermo, 23-26 settembre 2008;

Certificazione energetica applicata al patrimonio edilizio storico: Il caso studio di un edificio

8° Congresso nazionale CIRIAF. Perugia, 4-5 aprile 2008
2008

Rosa F.; Iviani C.; Cumo F.; (2008). Certificazione energetica applicata al patrimonio edilizio storico: Il caso studio di un edificio tutelato. In: 8° Congresso nazionale CIRIAF. Perugia, 4-5 aprile 2008

MUST System - Location Based Services and Multilingual Simultaneous Transmission for Tourist Fruit

The 7th International Symposium on Virtual Reality, Archaeology and Cultural Heritage VAST (2006).
2006

Cinnirella A., Faralli A., Labella A., Maurelli P., Pierro M., and Rosa F.; (2006). MUST System - Location Based Services and Multilingual Simultaneous Transmission for Tourist Fruition. In: The 7th International Symposium on Virtual Reality, Archaeology and Cultural Heritage VAST (2006). Cipro, 30 Oct - 4 Nov 2006

The 7th International Symposium on Virtual Reality, Archaeology and Cultural Heritage VAST(2006).
2006

Cinnirella A., Faralli A., Labella A., Maurelli P., Pierro M., and Rosa F.; (2006). Multimedia Annotation through WebGIS and Mobile Devices:Wireless Infrastructure Project for the UNESCO Site in Cerveteri - Italy. In: The 7th International Symposium on Virtual Reality, Archaeology and Cultural Heritage VAST(2006). Cipro, 30 oct - 4 nov 2006The Eurographics Association 2006.

GIS to improve knowledge, management and promotion of an archaeological park: the valorisation proj

ASIA GIS 2006 International Conference. Skudai, Johor, Malesia, 9-10 Marzo 2006, SKUDAI
2006

Cinnirella A., Maurelli P., Rosa F.; (2006). GIS to improve knowledge, management and promotion of an archaeological park: the valorisation project of Unesco etruscan site in Cerveteri, Italy. In: ASIA GIS 2006 International Conference. Skudai, Johor, Malesia, 9-10 Marzo 2006, SKUDAI: Departement of Urban and Regional Planning

Modello di calcolo innovativo WEB oriented nella certificazione energetica semplificata degli edifici

Ministero dell'Ambiente e Facoltà Ingegneria, Dipartimento di Fisica Tecnica
2002

AA. VV., Modello di calcolo innovativo WEB oriented nella certificazione energetica semplificata degli edifici, Rapporto Annuale - Mar 2002-Apr 2003 Performance Based Building, Ricerca e innovazione per gli edifici sostenibili: la certificazione energetica degli edifici, Progetto BEEPS. Ministero dell'Ambiente e Facoltà Ingegneria, Dipartimento di Fisica Tecnica,

Rosa, F. Building-Integrated Photovoltaics (BIPV) in Historical Buildings: Opportunities and Constr

2020

Rosa F., Cumo F., Nardecchia F., Romeo C., (2020 in press) Non-reachability of the nZEB class for a

2020

● **COMPETENZE DIGITALI**

Geographical informational systems (GIS)

● **COMPETENZE ORGANIZZATIVE**

Organisational skills

- Culturally sensitive and internationally traveled leader
- Experienced in the successful management of diverse groups of people
- Proven adaptability to differing cultural and business environments
- Ability to talk and conduct business in spanish languages
- Possess strong commitment to team environment dynamics with the ability to contribute expertise and follow leadership directives at appropriate times
- Thrive in a team environment and work well with others
- Enjoy working as a team member as well as independently
- Team leader and team player

● **COMPETENZE COMUNICATIVE E INTERPERSONALI.**

Communication and interpersonal skills

- Excellent written and verbal communication skills
- Empathic listener and persuasive speaker
- Writing creative or factual
- Speaking in public, to groups, or via electronic media
- Excellent presentation and negotiation skills

ai fini della pubblicazione in ottemperanza all'art.15 del
D.Lgs. 33/2013