

Sante CENTURIONI

CURRENT POSITION

University of Rome Sapienza, Department of Engineering, Rome, ITALY

University of Rome Sapienza, Department of Medicine, Rome, ITALY

University of Rome Tre, Department of Education Sciences, Rome, ITALY

Scientific and High School, Ministry of Education, University and Research, Rome, ITALY

EDUCATION

1990: Ph.D. in PHYSICS (ASTROPHYSICS)

University of Rome Sapienza, Rome, Italy

Supervisor: Francesco Melchiorri

Thesis: Optical pointer for infrared detection from a balloon.

1994: GRADUATE SCHOOL in HEALTH PHYSICS

University of Rome Sapienza, Rome, Italy

Supervisor: Carlo Corsi

Thesis: A new thermograph with IR CCD

2010: M.Sc. in LEADERSHIP AND MANAGEMENT IN EDUCATION

University of Roma Tre, Rome, Italy

RESEARCH

1. Theoretical and experimental properties of fractal surfaces in biomedical applications
2. Cosmology. Interaction of galaxies
3. Education. New ways to teach Physics and Mathematics

RESEARCH INDICATORS

- 1.h-index: 2
- 2.Number of citations 52
- 3.Number of publications: 23
- 4.i10-index:2

ACADEMIC POSITIONS

2023-current

- Professor of Calculus I**, Degree Course in Construction Engineering, Faculty of Industrial and Construction Engineering University of Rome Sapienza, Rome, Italy.
- Professor of Complementary Mathematics**, Degree Course in Health Care Assistant, Faculty of Pharmacy and Medicine, University of Rome Sapienza, Rome, Italy.
- Professor of Principles of Mathematics 2**, Degree Course in Bioinformatics, Faculty of Pharmacy and Medicine, University of Rome Sapienza, Rome, Italy.
- Professor of Physics and Elements of Statistics**, Degree Course in Pharmacy, Faculty of Pharmacy and Medicine, University of Rome Sapienza, Rome, Italy.
- Professor of Applied Physics**, Degree Course in Nursing, Faculty of Medicine and Dentistry University of Rome Sapienza, Rome, Italy.
- Professor of Applied Physics**, Degree Course in Obstetric Science, Faculty of Medicine and Dentistry, Degree Course, University of Rome Sapienza, Rome, Italy.
- Professor of Applied Physics**, Degree Course in Nursing Science, Faculty of Medicine and Dentistry, Degree Course, University of Rome Sapienza, Colleferro, Italy.
- Professor of Applied Physics**, Degree Course in Nursing Science, Faculty of Medicine and Dentistry, Degree Course, Telematic University, University of Rome Sapienza, Rome, Italy.
- Professor of Mathematics Institutions**, Degree Course Primary Education Sciences, Faculty of Education Sciences, University of Roma Tre, Rome, Italy.
- Member of the research group on the Properties of fractal surfaces**, Department of Engineering and Mathematics, University of Rome Sapienza, Rome, Italy.
- Professor in Degree Exam (Laurea)**, Aerospace Engineering, University of Rome Sapienza, Rome, Italy.
- President of the examination commission**, Various courses of University of Rome Sapienza, Rome, Italy.
- President of the examination commission**, Various courses of University of Roma Tre, Rome, Italy.
- President of the examination commission**, Scientific and High School, Ministry of Education, University and Research, Italy.

2022-2023

- Professor in Geometry**, Mechanical Engineering, University of Rome Sapienza, Rome, Italy.
- Professor in Geometry**, Civil Engineering, University of Rome Sapienza, Rome, Italy.
- Professor in Analysis 1**, Construction Engineering, University of Rome Sapienza, Rome, Italy.
- Professor in Mathematic Institutions**, Faculty of Primary Education Sciences, University of Roma Tre, Roma, Italy.
- Professor Degree Exam**, Aerospace Engineering, University of Rome Sapienza, Rome, Italy.
- President of the examination commission**, Various courses of University of Rome Sapienza, Rome, Italy.
- President of the examination commission**, Various courses of University of Roma Tre, Rome, Italy.
- President of the examination commission**, Scientific and High School, Ministry of Education, University and Research, Italy.

2021-2022

- Professor in Geometry**, Faculty of Electronic and Automatic Engineering, University of Rome Sapienza, Rome, Italy.
- Professor of Applied Physics**, Degree Course in Nursing, Faculty of Medicine, University of Rome Sapienza, Rome, Italy.
- Professor in Physics and Statistics**, Faculty of Civil Engineering, University of Rome Sapienza, Rome, Italy.
- Professor in Calculus 2**, Engineering, Department of Applied Computer Science and Artificial Intelligence, University of Rome Sapienza, Rome, Italy.
- Professor in Calculus 1**, Construction Engineering and Architecture, University of Rome Sapienza, Rome, Italy.
- Professor in Calculus 2**, Aerospace Engineering, University of Rome Sapienza, Rome, Italy.
- Professor in Calculus 2**, Mechanical Engineering, University of Rome Sapienza, Rome, Italy.

President of the examination commission, Various courses of University of Rome Sapienza, Rome, Italy.
President of the examination commission, Various courses of University of Roma Tre, Rome, Italy
President of the examination commission, Scientific and High School, Ministry of Education, University and Research, Italy.

2020-2021

Professor in Geometry, Faculty of Management Engineering, University of Rome Sapienza, Rome, Italy.
Professor of Calculus I, Faculty of Civil Engineering, University of Rome Sapienza, Rome, Italy.
Professor of Applied Physics, Degree Course in Nursing, Faculty of Medicine and Dentistry University of Rome Sapienza, Rome, Italy.
Professor of Principles of Mathematics I, Bachelor of Bioinformatics, University of Rome, Sapienza, Rome, Italy.
Professor of Principles of Mathematics II, Bachelor of Bioinformatics, University of Rome, Sapienza, Rome, Italy.
President of the examination commission, Various courses of University of Rome, Sapienza, Rome, Italy.
President of the examination commission, Various courses of University of Roma Tre, Rome, Italy.
President of the examination commission, Scientific and High School, Ministry of Education, University and Research, Italy.

2019-2020

Professor in Geometry, Faculty of Mechanics Engineering, University of Roma Tre, Rome, Italy.
Professor of Principles of Mathematics II, Bachelor of Bioinformatics, University of Rome, Sapienza, Rome, Italy.
Professor in Geometry, Faculty of Management Engineering, University of Roma Sapienza, Roma, Italy.
Professor of Applied Physics, Degree Course in Nursing, Faculty of Medicine and Dentistry University of Rome Sapienza, Rome, Italy.
Professor in Physics, Faculty of Primary Education Sciences, University of Roma Tre, Rome, Italy.
Physics Laboratory Professor, Faculty of Primary Education Sciences, University of Roma Tre, Rome, Italy.
Professor in Degree Exam (Laurea), Faculty of Primary Education Sciences, University of Roma Tre, Rome, Italy.
President of the examination commission, Various courses of University of Rome Sapienza, Rome, Italy.
President of the examination commission, Various courses of University di Roma Tre, Rome, Italy.
President of the examination commission, Scientific and High School, Ministry of Education, University and Research, Italy.

2018-2019

Professor in Physics, Faculty of Primary Education Sciences, University of Roma Tre, Rome, Italy.
Physics Laboratory Professor, Faculty of Primary Education Sciences, University of Roma Tre, Rome, Italy.
Professor of Principles of Mathematics II, Bachelor of Bioinformatics, University of Rome Sapienza, Rome, Italy.
Professor of Mathematics Institutions, Faculty of Biology, University of Roma Tre, Rome, Italy.
Professor in Degree Exam (Laurea), Faculty of Primary Education Sciences, University of Roma Tre, Rome, Italy.
President of the examination commission, Various courses of University of Rome, Sapienza, Rome, Italy.
President of the examination commission, Various courses of University di Roma Tre, Rome, Italy.
President of the examination commission, Scientific and High School, Ministry of Education, University and Research, Italy.

2017-2018

Professor in Physics, Faculty of Primary Education Sciences, University of Roma Tre, Rome, Italy.
Physics Laboratory Professor, Faculty of Primary Education Sciences, University of Roma Tre, Rome, Italy.
Professor in Calculus I, Faculty of Engineering, University of Roma Tre, Rome, Italy.
Professor of Mathematics Institutions, Faculty of Biology, University of Roma Tre, Rome, Italy.
Professor in Geometry, Faculty of Engineering, University of Roma Tre, Rome, Italy.
Professor of Principles of Mathematics II, Bachelor of Bioinformatics, University of Rome Sapienza, Rome, Italy.
Professor in Degree Exam (Laurea), Faculty of Primary Education Sciences, University of Roma Tre, Rome, Italy.
President of the examination commission, Various courses of University of Rome Sapienza, Rome, Italy.
President of the examination commission, Various courses of University di Roma Tre, Rome, Italy.
President of the examination commission, Scientific and High School, Ministry of Education, University and Research, Italy.

2016-2017

Professor in Physics, Faculty of Primary Education Sciences, University of Roma Tre, Roma, Italy.
Physics Laboratory Professor, Faculty of Primary Education Sciences, University of Roma Tre, Roma, Italy.

Professor in Calculus I, Faculty of Engineering, University of Roma Tre, Rome, Italy.

Professor in Geometry, Faculty of Engineering, University of Roma Tre, Rome, Italy.

Professor in Degree Exam (Laurea), Faculty of Primary Education Sciences, University of Roma Tre, Rome, Italy.

President of the examination commission, Various courses of University of Rome, Sapienza, Rome, Italy.

President of the examination commission, Various courses of University di Roma Tre, Rome, Italy

President of the examination commission, Scientific and High School, Ministry of Education, University and Research, Italy.

2015-2016

Professor in Physics, Faculty of Primary Education Sciences, University of Roma Tre, Rome, Italy.

Physics Laboratory Professor, Faculty of Primary Education Sciences, University of Roma Tre, Rome, Italy.

President of the examination commission, Various courses of University di Rome Sapienza, Rome, Italy.

President of the examination commission, Various courses of University di Roma Tre, Rome, Italy

President of the examination commission, Scientific and High School, Ministry of Education, University and Research, Italy.

2014-2015

Adjunct lecturer in Physics I, Faculty of Engineering, University of Roma Tre, Roma, Italy.

Adjunct lecturer in Mathematics, Faculty of Engineering, University of Roma Tre, Rome, Italy.

Professor in Geometry, Faculty of Engineering, University of Roma Tre, Rome, Italy.

Professor in Complements of Mathematics, Faculty of Engineering, University of Roma Tre, Rome, Italy.

President of the examination commission, Various courses of University of Rome Sapienza, Rome, Italy.

President of the examination commission, Various courses of University of Roma Tre, Rome, Italy.

President of the examination commission, Scientific and High School, Ministry of Education, University and Research, Italy.

2001-2007

Professor in Applied Physics, Degree Course in Nursing, Faculty of Medicine, University of Rome Sapienza, Rome, Italy.

Professor in Physics, Faculty of Medicine, University of Rome Sapienza, Rome, Italy.

President of the examination commission, Various courses of University of Rome Sapienza, Rome, Italy.

President of the examination commission, Various courses of University of Roma Tre, Rome, Italy.

President of the examination commission, Scientific and High School, Ministry of Education, University and Research, Italy.

1999-2023

Professor in Mathematics and Physics, Scientific and High School, Ministry of Education, University and Research, Italy.

1993-1996

Research fellow JSPS, JAPANESE SOCIETY FOR PROMOTION OF SCIENCES, NAGOYA UNIVERSITY, STEL, SOLAR TERRESTRIAL ENVIRONMENT LABORATORY, TOYOKAWA, JAPAN.

1995

Researcher, CNR, Physics of Interplanetary Space, Italy, Andoya Rocket Range, Andenes, Norway

Researcher, ENEA, PNRA, **National Antarctic Research Project**, Frascati, Italy.

1990-1999

Research fellow, CNR, National Research Council, Frascati, Rome, Italy.

1994

Researcher, CNR, National Research Council, Physics of Interplanetary Space, Frascati, Rome, Italy.

AWARDS&FUNDING

1990-1994

Doctoral Fellow, CNR (National Council of Research), IFA (Institute of Atmospheric Physics), Frascati, Italy.

1992

Financial Support of Research, MEASUREMENT CAMPAIGN WITH ALL SKY CAMERA IN NORWAY FOR THE STUDY OF NORTHERN LIGHTS WITH CCDs IN THE UBV BAND, ROCKET RANGE, ANDOYA, NORWAY. CNR (NATIONAL COUNCIL OF RESEARCH), IFSI (INSTITUTE OF PHYSICS OF THE INTERPLANETARY SPACE).

1994

Doctoral International Fellow, STEP 1, JSPS (JAPANESE SOCIETY FOR PROMOTION OF SCIENCE), NAGOYA UNIVERSITY, TOYOKAWA, JAPAN.

1995

Financial Support of Research, Development of a microlidar acquisition system for the study of stratospheric clouds in the Italian mission in Antarctica. CNR (National Council of Research), IFA (Institute of Atmospheric Physics), Frascati, Italy.

1996

Doctoral International Fellow, STEP 2, JSPS (JAPANESE SOCIETY FOR PROMOTION OF SCIENCE), NAGOYA UNIVERSITY, TOYOKAWA, JAPAN.

2000

Winner of the National Competition for Mathematics teaching

Winner of the National Competition for Physics teaching

Winner of the National Competition for Mathematics and Physics teaching

CONFERENCES

- 1989, 29 May-2 June, International Conference, Heidelberg, Dynamics and Interactions of Galaxies.
- 1992, Porano, Speaker, Workshop, Italian research on the Antarctic atmosphere Italian Society of Physics, Italy.
- 1994, 14 February, Speaker, Workshop on the Physics of Space Plasmas, Nagoya University, Toyokawa, Japan
- 1996, 15 March, Seminar on the KRM method, STEL, Solar Terrestrial Environment Laboratory, Toyokawa, Japan
- 2019, Speaker, Decoding and coding in Physics-Decoding the Disciplines in European institutions of Higher education: intercultural and interdisciplinary approach to teaching, Vives University College, Torhout, Belgium
- 2023. Workshop on Fractal in Pure and Applied Sciences, 15-17 March 2023, Faculty of Engineering, Rome Sapienza, Italy

RESEARCH ACTIVITY

1989-1990

- **Development of an optical pointer using a stratospheric balloon for the recognition of star heads with resolutions of one arc second.** University of Rome Sapienza, Department of Physics; CNR, National Research Council, IAS, Institute of Space Astrophysics, Frascati, Rome, Italy
- **Stratospheric balloon launch campaign, for MAS Experiment**, Milo Base, Italy. University of Rome Sapienza, Department of Physics; CNR, National Research Council, IAS, Institute of Space Astrophysics, Frascati, Rome, Italy

1990-1992

- **Interaction of Galaxies using CCD cameras**, CNR, National Research Council, IAS, Institute of Space Astrophysics, Frascati, Rome, Italy, Astronomical Observatory of Campo Imperatore, Aquila, Italy
Analysis of the dead time of a LIDAR signal, CNR (National Council of Research), IFA (Institute of Atmospheric Physics), Frascati, Italy.
- **Study of an infrared CCD thermograph**, University of Rome Sapienza, Rome, Italy
- **A new way of analyzing electrocardiographic data**, University of Rome, Rome, Italy

1992-1995

- **Laser backscatter sonde (LABS): Sonda per misure da pallone sul materiale particolato atmosferico** CNR (National Council of Research), IFA (Institute of Atmospheric Physics), ENEA, Frascati, Italy.
- **Lidar observations of middle atmosphere temperature variability** CNR (National Council of Research), IFA (Institute of Atmospheric Physics), Frascati, Italy.
- **Applications of a micro lidar for the analysis of urban air pollution particulates**, CNR (National Council of Research), IFA (Institute of Atmospheric Physics), Frascati, Italy.
- **UBV filter wheel for a CCD all Sky camera to study the Northern Lights**, CNR (National Council of Research), IFSI (Institute of Physics of the Interplanetary Space), Frascati, Italy.
- **Campaign of auroral measurements by All- Sky-Camera in the Andoya Island in Norway**. National Program of Research in Antarctica and Arctic Regions, 1992. CNR (National Council of Research), IFSI (Institute of Physics of the Interplanetary Space), Frascati, Italy.

1993-1996

- **Mapping of the Earth's electromagnetic field in the Southern Hemisphere using the KRM method**, NAGOYA UNIVERSITY, TOYOKAWA, JAPAN
- **Campaign of atmospheric density and temperature measurements with micro lidar, telemetry tests**, CNR (National Council of Research), WYOMING UNIVERSITY, LARAMIE, USA

1999-2003

- **Competition of Mathematics and Physics Galileo-Newton 1th edition**, Rome, Italy
- **Competition of Mathematics and Physics Galileo-Newton 2nd edition**, Rome, Italy

2003-2006

- **Competition of Mathematics and Physics Emmy Noether**, Rome, Italy

2007-2009

- **Design and realization of a Foucault pendulum for evaluating microvariations of gravity**, Rome University, Sapienza, Rome, Italy

2010-2020

- **Study and cataloging of scientific instruments from the late 19th century**, Laeng Historical Teaching Museum, Rome, Italy
- **Development of new methods for teaching Physics and Mathematics**, UNIVERSITY OF ROMA TRE, ITALY, UNIVERSITY OF BELGIUM

2020+

- **Study of fractal surfaces in the biological field, application to COVID-19**, University of Rome Sapienza, Rome, Italy
- **Study of the fractal dimension for covid 19 as a function of its virality**, Rome University, Sapienza, Rome, Italy

PUBLICATIONS

Journal papers

DE BERNARDIS, P., CENTURIONI S., ET AL. (1989). **A balloon borne study of diffuse far IR backgrounds** (Atti del III Convegno Nazionale di Astronomia Infrarossa; Gallipoli, 19-22 September 1989, Mem. S.A.It., vol. 61, 1, 231 (1990)).

DE BERNARDIS, P., CENTURIONI S., ET AL. (1990). **A millimeter and submillimeter balloon telescope for measurements of diffuse radiation** (29th Liege International Astrophysical Colloquium, Liege, Belgium, 3-5 June 1990, ESA SPECIAL PUBLICATION).

CONGEDUTI, F., CENTURIONI, S., ET AL. (1992). **Aerosol, density and temperature measurements in stratosphere and mesosphere by lidar technics; 1th part: realization technics**, (2° Convegno Nazionale "Strumentazione e Metodi di misura Elettroottoci", Firenze, 25-27 Maggio 1992).

CONGEDUTI, F., CENTURIONI, S., ET AL. (1992). **Aerosol, density and temperature measurements in stratosphere and mesosphere by lidar technics; 2nd part: signal analysis and results**, (2° Convegno Nazionale "Strumentazione e Metodi di misura Elettroottoci", Firenze, 25-27 Maggio 1992).

CONGEDUTI, F., CENTURIONI, S., ET AL. (1992). **Tecniche di realizzazione del sistema lidar di Frascati** (2° Convegno Nazionale "Strumentazione e Metodi di misura Elettroottoci", Firenze, 25-27 Maggio 1992, poster).

CONGEDUTI, F., CENTURIONI, S., ET AL. (1992). **Analisi del segnale. Risultati** (2° Convegno Nazionale "Strumentazione e Metodi di misura Elettroottoci", Firenze, 25-27 Maggio 1992, poster).

ADRIANI, A., CENTURIONI, S., ET AL. (1992). **Lidar observations of the stratospheric cloud of eruption of Pinatubo volcano**, 9° Convegno Nazionale, Gruppo Nazionale di Fisica dell'Atmosfera e dell'Oceano, Consiglio Nazionale delle Ricerche, Roma, 1992.

ADRIANI, A., CENTURIONI, S., ET AL. (1992). **Lidar observations of the Pinatubo stratospheric aerosol cloud over Frascati, Italy**; 16th International Laser Conference, 20 – 24 July 1992, Cambridge, Massachusetts, USA.

CANDIDI, M., CENTURIONI, S., ET AL. (1992). **Campaign of auroral measurements by All-Sky-Camera in the Andoya Island in Norway**. ENEA REPORT about the campaign of the National Program of Research in Antarctica and Arctic Regions, 1992.

AGNELLI, G., CENTURIONI, S., ET AL. (1992). **Results of All-Sky-Camera tests**. (Italian Society of Physics, Porano Conference, Conference Proceedings Italian Physical Society, 1992, Italy).

CENTURIONI, S., CONGEDUTI, F., ET AL. (1994). **Dead time measurements in a photocountings channel of lidar system in Frascati, Italy** - (Internal Report of Physics Institute of Atmosphere, CNR, 92/30, Italy, 1992). G. Gobbi, S. Centurioni et al. – Variability of the middle atmosphere temperature observed by Raileigh lidar at Frascati (CNR- IFA, 94-3, CEE Report, 1994).

CENTURIONI, S., (1994) **Filter box controller for italian All-Sky-Camera** (CNR-IFSI, 94-10, 1994).

CAIRIO, F., CENTURIONI, S., ET AL. (1994). **Analisi di fenomeni di isteresi nell'apparato di foto rivelazione di un sistema lidar** (CNR-IFA R. I. 94-20, 1994).

GOBBI, G., CENTURIONI, S., ET AL. (1995). **Lidar observations of middle atmosphere temperature variability** (Annales of Geophysicae 13, 648-655 (1995) EGS, Springer Verlag 1995).

CENTURIONI, S., POLI, M., ET AL. (1995). **Analisi delle perdite di fotoconteggio dovute al tempo morto del sistema di acquisizione del lidar di Frascati** (IFA-CNR R.I. 95-2, 1995).

ADRIANI, A., CENTURIONI, S., ET AL. (1995). **Laser backscatter sonde (LABS): Sonda per misure da pallone sul materiale particolato atmosferico** (CNR-IFA R.I. 95-4, 1995).

CAIRO, F., CENTURIONI, S., ET AL. (1996). **A survey of the Signal- Induce-Noise in Photomultiplier detection of Wide Dinamic Luminous Signals** – IFA R.I. 96-1, Review of Scientific Instruments 3274-3280, American Institute of Physics.

CAIRO, F., CONGEDUTI, F., POLI, M., CENTURIONI, S. (1996). **A survey of the Signal- Induce-Noise in Photomultiplier detection of Wide Dinamic Luminous Signals** – Review of Scientific Instruments, 1996.

Centurioni, S. (1996). **KRM procedure to infer some important parameters of Antarctic Ionosphere Internal Report of STEL**, Nagoya University, 1996.

CENTURIONI, S., KAMIDE, K. (1996). **Use of Kp index in the choice of magnetometric base lines - Internal Report of STEL**, Nagoya University, 1996.

POLI, M., CONGEDUTI, F., CENTURIONI, S. (1996). **Rivelazione di segnali luminosi di ampia dinamica in sistemi LIDAR: metodologie per la riduzione di errori sistematici** – 4° Convegno Nazionale “Strumentazione e Metodi di Misura Elettroottici”, Milano 29-31 Maggio 1996.

CENTURIONI, S. (2019). **Decoding and coding in Physics-Decoding the Disciplines in European institutions of Higher education: intercultural and interdisciplinary approach to teaching**, Vives University College, Torhout, Belgium, Ed. Chistolini, 2019, Milano.

CENTURIONI, S. (2023+). **Fractal dimension analysis of covid-19. Working paper.**

Books

CENTURIONI, S., ET AL., (2014). **TFA Matematica e Fisica Esercizi Commentati (tr. TFA Mathematics and Physics, exercises with comments)** - II Ed. EDISES, 2014, Napoli, Italy

TEACHING

- 2001-2007 Lecturer, University of Rome Sapienza, Rome, Italy
- **Applied Physics, B.Sc. in Nursing Sciences**
- Lecturer, University of Rome Sapienza, Rome, Italy
- **Physics, Faculty of Medicine**
- Professor, Ministry of Education, University and Research, Rome, Italy.
- **Mathematics and Physics, Scientific and High School**
- 2014-2015 Lecturer, University of Roma Tre, Rome, Italy
- **Physics, Degree course in Electronic Engineering**
- Adjunct lecturer, University of Roma Tre, Rome, Italy
- **Mathematics Complements, Degree Course in Civil Engineering**
- Professor, University of Roma Tre, Rome, Italy
- **Geometry, Faculty of Engineering**
- Adjunct lecturer, University of Roma Tre, Rome, Italy
- **Mathematics, Degree Course Engineering**
- Professor, Ministry of Education, University and Research, Rome, Italy.
- **Mathematics and Physics, Scientific and High School**
- 2015-2016 Professor, University of Roma Tre, Rome, Italy
- **Physics, Faculty of Primary Education Sciences**
- Professor, University of Roma Tre, Rome, Italy
- **Physics Laboratory, Faculty of Primary Education Sciences**
- Professor, Ministry of Education, University and Research, Rome, Italy.
- **Mathematics and Physics, Scientific and High School**
- 2016-2017 Professor, University of Roma Tre, Rome, Italy
- **Physics, Faculty of Primary Education Sciences.**
- Professor, University of Roma Tre, Rome, Italy.

- **Physics Laboratory**, Faculty of Primary Education Sciences
Professor, University of Roma Tre, Rome, Italy
- **Geometry**, Faculty of Engineering
Professor, University of Roma Tre, Rome, Italy
- **Calculus I**, Faculty of Engineering
Professor, Ministry of Education, University and Research, Rome, Italy.
- **Mathematics and Physics**, Scientific and High School

2017-2018

- Professor, University of Roma Tre, Rome, Italy
- **Physics**, Faculty of Primary Education Sciences
Professor, University of Roma Tre, Rome, Italy.
 - **Physics Laboratory**, Faculty of Primary Education Sciences
Professor, University of Roma Tre, Rome, Italy
 - **Calculus I**, Faculty of Engineering
Professor, University of Roma Tre, Rome, Italy
 - **Mathematics Institutions**, Faculty of Biology
Professor, University of Roma Tre, Rome, Italy
 - **Geometry**, Faculty of Engineering
Professor, University of Rome, Sapienza, Rome, Italy.
 - **Principles of Mathematics II**, Bachelor of Bioinformatics,
Professor, Ministry of Education, University and Research, Rome, Italy.
 - **Mathematics and Physics**, Scientific and High School

2018-2019

- Professor, University of Roma Tre, Rome, Italy.
- **Physics**, Faculty of Primary Education Sciences.
Professor, University of Roma Tre, Rome, Italy.
 - **Physics Laboratory**, Faculty of Primary Education Sciences
Professor, University of Rome, Sapienza, Rome, Italy.
 - **Principles of Mathematics II**, Bachelor of Bioinformatics
Professor University of Roma Tre, Rome, Italy
 - **Mathematics Institutions**, Faculty of Biology
Professor, Ministry of Education, University and Research, Rome, Italy.
 - **Mathematics and Physics**, Scientific and High School

2019-2020

- Professor, University of Roma Tre, Rome, Italy.
- **Geometry**, Faculty of Mechanics Engineering
Professor, University of Rome, Sapienza, Rome, Italy.
 - **Principles of Mathematics II**, Bachelor of Bioinformatics
Professor, University of Rome Sapienza, Rome, Italy.
 - **Geometry**, Faculty of Management Engineering
Professor, Faculty of Medicine and Dentistry, Università of Rome Sapienza, Rome, Italy.
 - **Applied Physics**, Degree Course in Nursing
Professor, University of Roma Tre, Rome, Italy.
 - **Physics**, Faculty of Primary Education Sciences
Professor, University of Roma Tre, Rome, Italy.
 - **Physics Laboratory**, Faculty of Primary Education Sciences
Professor, Ministry of Education, University and Research, Rome, Italy.
 - **Mathematics and Physics**, Scientific and High School

2020-2021

- Professor, University of Rome Sapienza, Roma, Italy.
- **Geometry**, Faculty of Management Engineering
Professor, University of Rome Sapienza, Rome, Italy.
 - **Calculus I**, Faculty of Civil Engineering,
Professor, Faculty of Medicine and Dentistry, University of Rome Sapienza, Rome, Italy.
 - **Applied Physics**, Degree Course in Nursing
Professor, University of Rome, Sapienza, Rome, Italy.
 - **Principles of Mathematics I**, Bachelor of Bioinformatics
Professor, University of Rome, Sapienza, Rome, Italy.
 - **Principles of Mathematics II**, Bachelor of Bioinformatics
Professor, Ministry of Education, University and Research, Rome, Italy.

- 2021-2022
- **Mathematics and Physics, Scientific and High School**
- Professor, University of Rome Sapienza, Rome, Italy.
- **Geometry, Faculty of Electronic and Automatic Engineering**
- Professor, Università of Rome Sapienza, Rome, Italy.
- **Applied Physics, Degree Course in Nursing, Faculty of Medicine,**
- Professor, University of Rome Sapienza, Rome, Italy.
- **Physics and Statistics, Faculty of Civil Engineering**
- Professor, University of Rome Sapienza, Rome, Italy.
- **Calculus 2, Engineering, Department of Applied Computer Science and Artificial Intelligence**
- Professor, University of Rome Sapienza, Rome, Italy.
- **Calculus 1, Construction Engineering and Architecture**
- Professor, University of Rome Sapienza, Rome Italy.
- **Calculus 2, Aerospace Engineering**
- Professor, University of Rome Sapienza, Rome, Italy.
- **Calculus 2, Mechanical Engineering,**
- Professor, Ministry of Education, University and Research, Rome, Italy.
- **Mathematics and Physics, Scientific and High School**
- 2022-2023
- Professor, University of Rome Sapienza, Rome, Italy.
- **Geometry, Mechanical Engineering**
- Professor, University of Rome Sapienza, Rome, Italy.
- **Geometry, Civil Engineering**
- Professor, University of Rome Sapienza, Rome, Italy.
- **Analysis 1, Construction Engineering**
- Professor, Ministry of Education, University and Research, Rome, Italy.
- **Mathematics and Physics, Scientific and High School**
- 2023-current
- Professor, Faculty of Industrial and Construction Engineering Università of Rome, Sapienza, Rome, Italy.
- **Calculus I, Degree Course in Construction Engineering**
- Professor, Faculty of Pharmacy and Medicine, University of Rome Sapienza, Rome, Italy.
- **Complementary Mathematics, Degree Course in Health Care Assistant**
- Professor, Faculty of Pharmacy and Medicine, University of Rome Sapienza, Rome, Italy.
- **Principles of Mathematics 2, Degree Course in Bioinformatics,**
- Professor, Faculty of Pharmacy and Medicine, University of Rome Sapienza, Rome, Italy.
- **Physics and Elements of Statistics, Degree Course in Pharmacy,**
- Professor, Faculty of Medicine and Dentistry University of Rome Sapienza, Rome, Italy.
- **Applied Physics, Degree Course in Nursing**
- Professor, Faculty of Medicine and Dentistry, Degree Course, University di Rome Sapienza, Rome, Italy.
- **Applied Physics, Degree Course in Obstetric Science**
- Professor, Faculty of Medicine and Dentistry, University of Rome Sapienza, Colleferro, Italy.
- **Applied Physics, Degree Course in Nursing Science**
- Professor, Faculty of Medicine and Dentistry, Telematic University, Università di Rome Sapienza, Rome, Italy.
- **Applied Physics, Degree Course in Nursing Science**
- Professor, Faculty of Education Sciences, University of Roma Tre, Rome, Italy.
- **Mathematics Institutions, Degree Course Primary Education Sciences**
- Professor, Ministry of Education, University and Research, Rome, Italy.
- **Mathematics and Physics, Scientific and High School**