CV

Sante CENTURIONI

CURRENT POSITION

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

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

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

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

EDUCATION

1990: Ph.D. in PHYSICS (ASTROPHYSICS)
Università di Roma Sapienza
Italy
Supervisor: Francesco Melchiorri
Thesis: Optical pointer for infrared detection from a balloon.

1994: GRADUATE SCHOOL OF HEAALTH PHYSICS
Università di Roma Sapienza
Italy
Supervisor: Carlo Corsi
Thesis: A new thermograph with IR CCD

2010: M.Sc. in LEADERSHIP AND MANAGEMENT IN EDUCATION
Università di Roma Tre
Italy

RESEARCH

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

BIBLIOMETRIC DATA

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

ACADEMIC POSITIONS

2023-current

Professor of Calculus I, Degree Course in Construction Engineering, Faculty of Industrial and Construction Engineering Università di Roma Sapienza, Italy.
Professor of Complementary Mathematics, Degree Course in Health Care Assistant, Faculty of Farmacy and Medicine, Università di Roma Sapienza, Italy.

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

1995

Researcher, CNR, Physics of Interplanetary Space, Italy, Andoya Rocket Range, Norway
Researcher, ENEA, PNRA, National Antarctic Research Project, Frascati, Italy

1993-1996

Research fellow JSPS, Japanese Society for Promotion of Sciences, Nagoya University, STEL, Solar Terrestrial Environment Laboratory, Toyokawa, Japan

1999-2023

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

2001-2007

Professor in Applied Physics, Degree Course in Nursing, Faculty of Medicine, Università di Roma Sapienza, Italy.
Professor in Physics, Faculty of Medicine, Università di Roma Sapienza, Italy.
President of the examination commission, Various courses of Università di Roma, Roma, Italy, Sapienza
President of the examination commission, Various courses of Università di Roma Tre, Roma, 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, Italy
Adjunct lecturer in **Mathematics**, Faculty of Engineering, University of Roma Tre, Italy
Professor in Geometry, Faculty of Engineering, University of Roma Tre, Italy
Professor in Complements of Mathematics, Faculty of Engineering, University of Roma Tre, Italy
President of the examination commission, Various courses of Università di Roma, Roma, Italy, Sapienza
President of the examination commission, Various courses of Università di Roma Tre, Roma, 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, Italy.
Physics Laboratory Professor, Faculty of Primary Education Sciences, University of Roma Tre, Italy.
President of the examination commission, Various courses of Università di Roma, Roma, Italy, Sapienza
President of the examination commission, Various courses of Università di Roma Tre, Roma, 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, Italy.

Physics Laboratory Professor, Faculty of Primary Education Sciences, University of Roma Tre, Italy.
Professor in Calculus I, Faculty of Engineering, University of Roma Tre, Italy
Professor in Geometry, Faculty of Engineering, University of Roma Tre, Italy
Professor in Degree Exam (Laurea), Faculty of Primary Education Sciences, University of Roma Tre, Italy.
President of the examination commission, Various courses of Università di Roma, Roma, Italy, Sapienza
President of the examination commission, Various courses of Università di Roma Tre, Roma, 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, Italy.
Physics Laboratory Professor, Faculty of Primary Education Sciences, University of Roma Tre, Italy.
Professor in Calculus I, Faculty of Engineering, University of Roma Tre, Italy
Professor of Mathematics Institutions, Faculty of Biology, University of Roma Tre, Italy
Professor in Geometry, Faculty of Engineering, University of Roma Tre, 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, Italy.
President of the examination commission, Various courses of Università di Roma, Roma, Italy, Sapienza
President of the examination commission, Various courses of Università di Roma Tre, Roma, 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, Italy.
Physics Laboratory Professor, Faculty of Primary Education Sciences, University of Roma Tre, 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, Italy
Professor in Degree Exam (Laurea), Faculty of Primary Education Sciences, University of Roma Tre, Italy.
President of the examination commission, Various courses of Università di Roma, Roma, Italy, Sapienza
President of the examination commission, Various courses of Università di Roma Tre, Roma, 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, 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, Italy.
Professor of Applied Physics, Degree Course in Nursing, Faculty of Medicine and Dentistry Università di Roma Sapienza, Italy.
Professor in Physics, Faculty of Primary Education Sciences, University of Roma Tre, Italy.
Physics Laboratory Professor, Faculty of Primary Education Sciences, University of Roma Tre, Italy.
Professor in Degree Exam (Laurea), Faculty of Primary Education Sciences, University of Roma Tre, Italy.
President of the examination commission, Various courses of Università di Roma, Roma, Italy, Sapienza
President of the examination commission, Various courses of Università di Roma Tre, Roma, 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 Roma Sapienza, Italy.
Professor of Calculus I, Faculty of Civil Engineering, University of Roma Sapienza, Italy.
Professor of Applied Physics, Degree Course in Nursing, Faculty of Medicine and Dentistry Università di Roma Sapienza, 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 Università di Roma, Roma, Italy, Sapienza
President of the examination commission, Various courses of Università di Roma Tre, Roma, 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 Roma Sapienza, Italy.
Professor of Applied Physics, Degree Course in Nursing, Faculty of Medicine, Università di Roma Sapienza, Italy.
Professor in Physics and Statistics, Faculty of Civil Engineering, University of Roma Sapienza, Italy.
Professor in Calculus 2, Engineering, Department of Applied Computer Science and Artificial Intelligence, University of Roma Sapienza, Italy.
Professor in Calculus 1, Construction Engineering and Architecture, University of Roma Sapienza, Italy.
Professor in Calculus 2, Aerospace Engineering, University of Roma Sapienza, Italy.
Professor in Calculus 2, Mechanical Engineering, University of Roma Sapienza, Italy.
President of the examination commission, Various courses of Università di Roma, Roma, Italy, Sapienza
President of the examination commission, Various courses of Università di Roma Tre, Roma, 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 Roma Sapienza, Italy.
Professor in Geometry, Civil Engineering, University of Roma Sapienza, Italy.
Professor in Analysis 1, Construction Engineering, University of Roma Sapienza, Italy.
Professor in Mathematic Institutions, Faculty of Primary Education Sciences, University of Roma Tre, Italy.
Professor Degree Exam, Aerospace Engineering, University of Roma Sapienza, Italy.
President of the examination commission, Various courses of Università di Roma, Roma, Italy, Sapienza
President of the examination commission, Various courses of Università di Roma Tre, Roma, Italy
President of the examination commission, Scientific and High School, Ministry of Education, University and Research, Italy.

AWARDS&FUNDING

2000

Winner of the National Competition for Mathematics teaching in High Schools
Winner of the National Competition for Physics teaching in High Schools
Winner of the National Competition for Mathematics and Physics teaching in High Schools

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), Frascati, Italy.

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.

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
- !996, 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 an Applied Sciences, 15-17 March 2023, Faculty of Engineering, Rome Sapienza Italy
-

RESEARCH ACTIVITY

1990-1991

- **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

1991-1994

- **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.

- **Laser backscatter sonde (LABS): Sonda per misure da pallone sul materiale particolato atmosferico**
- **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.

- **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), IFSI (Institute of Physics of the Interplanetary Space), Frascati, Italy, Wyoming University, Laramie, Usa

- **Development of new methods for teaching physics**, University of Roma Tre, Italy, University of Belgium

- **Study of an infrared CCD thermograph**, University of Rome Sapienza, Rome, Italy

- **A new way of analyzing electrocardiographic data**, University of Rome, Rome, Italy

- **Competition of Mathematics and Physics Galileo-Newton**, Rome, Italy

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

- **Study of fractal surfaces in the biological field, application to COVID-19**, University of Rome Sapienza, Rome, Italy

- **Study and cataloging of scientific instruments from the late 19th century,** Laeng Historical Teaching Museum, Rome, Italy

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

- **Study of the fractal dimension for covid 19 as a function of its virality**, Rome University, Sapienza, Rome, Italy

PUBLICATIONS

Jurnal papers

title={Lidar observations of middle atmosphere temperature variability},
author={Gobbi, GP and Souprayen, C and Congeduti, F and Donfrancesco, G Di and Adriani, A and Viterbini, M and Centurioni, S},
book title={Annales geophysicae},
volume={13},
number={6},
pages={648--655},
year={1995},
organization={Springer-Verlag}

title={A survey of the signal-induced noise in photomultiplier detection of wide dynamics luminous signals},
author={Cairo, F and Congeduti, F and Poli, M and Centurioni, S and Di Donfrancesco, G},
journal={Review of scientific instruments},
volume={67},
number={9},
pages={3274--3280},
year={1996},
publisher={American Institute of Physics}

title={Lidar Observations of the Pinatubo Stratospheric Aerosol Cloud over Frascati, Italy},
author={Congeduti, Fernando and Adriani, Alberto and Gobbi, Gian Paolo and Centurioni, Sante},
booktitle={NASA. Langley Research Center, Sixteenth International Laser Radar Conference, Part 1},
year={1992}

title={Results of" all-sky camera" tests},
author={Agnelli, G and Candidi, M and Centurioni, S and Maggi, M},
booktitle={CONFERENCE PROCEEDINGS-ITALIAN PHYSICAL SOCIETY},
volume={35},
pages={261--261},
year={1992},
organization={EDITRICE COMPOSITORI}

DE BERNARDIS, P., CENTURIONI S., ET AL. (1989). **A balloon borne study of diffuse far IR backrounds** (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 Elettroottici", 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 eruction 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 clou dover 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, 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 survay of the Signal- Induce-Noise in Photomultiplier detection of Wide Dinamic Luminous Signals** – IFA R.I. 96-1.

CAIRO, F., CONGEDUTI, F., POLI, M., CENTURIONI, S. (1996). **A survay of the Signal- Induce-Noise in Photomultiplier detection of Wide Dinamic Luminous Signals** – Review of Scietific 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 choise 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** - II Ed. EDISES, 2014, Napoli

TEACHING

2023-current

Professor, Faculty of Industrial and Construction Engineering Università di Roma Sapienza, Italy.
- ***Calculus I,*** *Degree Course in Construction Engineering*

Professor, Faculty of Farmacy and Medicine, Università di Roma Sapienza, Italy.
- ***Complementary Mathematics****, Degree Course in Health Care Assistant*

Professor, Faculty of Farmacy and Medicine, Università di Roma Sapienza, Italy.
- ***Principles of Mathematics 2****, Degree Course in Bioinformatics,*

Professor, Faculty of Pharmacy and Medicine, Università di Roma Sapienza, Italy.
- ***Physics and Elements of Statistics****, Degree Course in Farmacy,*

Professor, Faculty of Medicine and Dentistry Università di Roma Sapienza, Italy.
- ***Applied Physics****, Degree Course in Nursing*

Professor, Faculty of Medicine and Dentistry, Degree Course, Università di Roma Sapienza, Italy.
- ***Applied Physics,*** *Degree Course in Obstetric Science*

Professor, Faculty of Medicine and Dentistry, Università di Roma Sapienza, Colleferro, Italy.
- ***Applied Physics,*** *Degree Course in Nursing Science*

Professor, Faculty of Medicine and Dentistry, Telematic University, Università di Roma Sapienza, Italy.
- ***Applied Physics,*** *Degree Course in Nursing Science*

Professor**,** Faculty of Education Sciences, Università di Roma Tre, Italy.
- ***Mathematics Institutions,*** *Degree Course Primary Education Sciences*

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

1999-2023

Professor, Ministry of Education, University and Research, Italy
- ***Mathematics and Physics****, Scientific and High School*

2001-2007 Lecturer, University of Rome Sapienza, Italy
- ***Applied Physics****, B.Sc. in Nursing Sciences*

Lecturer, University of Rome Sapienza, Italy
- ***Physics****, Faculty of Medicine*

2014-2015 Lecturer, University of Roma Tre, Italy
- ***Physics****, Degree course in Electronic Engineering*

Adjunct lecturer, University of Roma Tre, Italy
- ***Mathematics Complements****, Degree Course in Civil Engineering*

Professor, University of Roma Tre, Italy
- ***Geometry****, Faculty of Engineering*

Adjunct lecturer, University of Roma Tre, Italy
- ***Mathematics****, Degree Course Engineering*

2015-2016

Professor, University of Roma Tre, Italy
- ***Physics****, Faculty of Primary Education Sciences*

Professor, University of Roma Tre, Italy
- ***Physics Laboratory****, Faculty of Primary Education Sciences*

2016-2017

Professor, University of Roma Tre, Italy
- ***Physics****, Faculty of Primary Education Sciences.*

Professor, University of Roma Tre, Italy.

- ***Physics Laboratory**, Faculty of Primary Education Sciences*

Professor, University of Roma Tre, Italy

- ***Geometry**, Faculty of Engineering*

Professor, University of Roma Tre, Italy

- ***Calculus I,** Faculty of Engineering*

2017-2018

Professor, University of Roma Tre, Italy

- ***Physics**, Faculty of Primary Education Sciences*

Professor, University of Roma Tre, Italy.

- ***Physics Laboratory,** Faculty of Primary Education Sciences*

Professor, University of Roma Tre, Italy

- ***Calculus I,** Faculty of Engineering*

Professor, University of Roma Tre, Italy

- ***Mathematics Institutions,** Faculty of Biology*

Professor, University of Roma Tre, Italy

- ***Geometry,** Faculty of Engineering*

Professor, University of Rome, Sapienza, Rome, Italy.

- ***Principles of Mathematics II,** Bachelor of Bioinformatics,*

2018-2019

Professor, University of Roma Tre, Italy.

- ***Physics,** Faculty of Primary Education Sciences.*

Professor, University of Roma Tre, 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, Italy

- ***Mathematics Institutions,** Faculty of Biology*

2019-2020

Professor, University of Roma Tre, Italy.

- ***Geometry,** Faculty of Mechanics Engineering*

Professor, University of Rome, Sapienza, Rome, Italy.

- ***Principles of Mathematics II,** Bachelor of Bioinformatics*

Professor, University of Roma Sapienza, Italy.

- ***Geometry,** Faculty of Management Engineering*

Professor, Faculty of Medicine and Dentistry, Università di Roma Sapienza, Italy.

- ***Applied Physics**, Degree Course in Nursing*

Professor, University of Roma Tre, Italy.

- ***Physics**, Faculty of Primary Education Sciences*

Professor, University of Roma Tre, Italy.

- ***Physics Laboratory**, Faculty of Primary Education Sciences*

2020-2021

Professor, University of Roma Sapienza, Italy.

- ***Geometry,** Faculty of Management Engineering*

Professor, University of Roma Sapienza, Italy.

- ***Calculus I**, Faculty of Civil Engineering,*

Professor, Faculty of Medicine and Dentistry, Università di Roma Sapienza, 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*

2021-2022

Professor, University of Roma Sapienza, Italy.

- ***Geometry,** Faculty of Electronic and Automatic Engineering*

Professor, Università di Roma Sapienza, Italy.

- ***Applied Physics**, Degree Course in Nursing, Faculty of Medicine,*

Professor, University of Roma Sapienza, Italy.

- ***Physics and Statistics,** Faculty of Civil Engineering*

Professor, University of Roma Sapienza, Italy.

- ***Calculus 2**, Engineering, Department of Applied Computer Science and Artificial Intelligence*

Professor, University of Roma Sapienza, Italy.

- ***Calculus 1**, Construction Engineering and Architecture*

Professor, University of Roma Sapienza, Italy.

- ***Calculus 2**, Aerospace Engineering*

Professor, University of Roma Sapienza, Italy.

- ***Calculus 2**, Mechanical Engineering,*

Professor, University of Roma Sapienza, Italy.

2022-2023

- ***Geometry**, Mechanical Engineering*

Professor**,** University of Roma Sapienza, Italy.

- ***Geometry**, Civil Engineering*

Professor, University of Roma Sapienza, Italy.

- ***Analysis 1**, Construction Engineering*