

Personal information

Name / Surname

Gabriele, Peluso

Nationality

Italian

Gender

Male

Work experiences

Dates

From October 2022

Occupation or position held

PhD student

Main activities and responsibilities

I work on a mathematical approach to topological insulator, now I am finding a topological invariant that can predict the existence of ground states in 1-dimensional topological insulator with symmetries.

Name and address of employer

Sapienza university of Rome, Piazzale Aldo Moro 5

Type of business or sector

Research

Dates

From 2020

Occupation or position held

Tutor

Main activities and responsibilities

Teaching assistant to various courses detailed in the teaching section

Name and address of employer

Sapienza university of Rome, Piazzale Aldo Moro 5

Type of business or sector

Education

Dates

01/2019-01/2020

Occupation or position held

Technical assistant

Main activities and responsibilities

Technical assistant to the It Laboratory of the Department of Mathematics

Name and address of employer

Sapienza university of Rome, Piazzale Aldo Moro 5

Type of business or sector

Education

Dates

05/2018-08/2018

Occupation or position held

Library assistant

Main activities and responsibilities

Various library services, including the custody and study of secular tome

Name and address of employer

Sapienza university of Rome, Piazzale Aldo Moro 5

Type of business or sector

Education

Dates

2016-2020

Occupation or position held

Maitre

Main activities and responsibilities

Lounge manager

Name and address of employer

Taste East fusion restaurant

Type of business or sector

HoReCa

Publications

Dates

27/04/2023

Title

A Z_2 invariant for chiral and particle-hole symmetric topological chains

Journal

Journal of Mathematical Physics

Co-Authors	Domenico Monaco
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Teaching and Tutoring

Dates	First semester, academy year 2023-2024
Courses	Calculus 1
Department	Economics
University	LUISS
Dates	First semester, academy year 2023-2024
Courses	Mathematics 1
Department	Economics
University	LUISS
Dates	First semester, academy year 2024-2025
Courses	Analysis 2
Department	Engineering
University	Sapienza University of Rome
Dates	First semester, academy year 2024-2025
Courses	Analysis 1
Department	Engineering
University	Sapienza University of Rome
Dates	First semester, academy year 2023-2024
Courses	Mathematics 1
Department	Economics
University	LUISS
Dates	First semester, academy year 2023-2024
Courses	Mathematics base course
Department	Management
University	Sapienza University of Rome
Dates	Academy year 2023-2024
Courses	Algebra 1
Department	Mathematics
University	Sapienza University of Rome
Dates	Second semester, academy year 2022-2023
Courses	Institutions of Mathematics
Department	Natural Sciences
University	Sapienza University of Rome
Dates	Second semester, academy year 2021-2022
Courses	Mathematical and Informatics methods for biology and biotechnology
Department	Biology and biotechnology Charles Darwin
University	Sapienza University of Rome
Dates	First semester, academy year 2021-2022
Courses	Linear Algebra, Analysis 1, Laboratory of Programming and Computing
Department	Mathematics
University	Sapienza university of Rome

Dates	Second semester, academy year 2020-2021
Courses	Geometry 1
Department	Mathematics
University	Sapienza university of Rome
Dates	First semester, academy year 2020-2021
Courses	Linear Algebra, Laboratory of Programming and Computing
Department	Mathematics
University	Sapienza university of Rome

Events

Dates	26/05/2025-30/05/2025
Event	Mathematics of Condensed Matter Systems
Type	Conference
Place	Milano, Italy
Dates	10/02/2025-14/02/2025
Event	Mathematical Challenges in Quantum Mechanics
Type	Conference
Place	Gran Sasso Science Institute
Dates	02/06/2024-08/06/2024
Event	Symmetry and perturbation in quantum theory
Type	Conference
Place	Pula, Italy
Dates	27/05/2024-31/05/2024
Event	Spectral theory, Fourier analysis and PDE
Type	Summer school
Place	bizkaia aretoa, Bilbao
Dates	04/09/2023-16/09/2023
Event	Ravello Summer school on mathematical physics
Type	Summer school
Place	Villa Rufolo, Ravello
Dates	10/07/2023-14/07/2023
Event	Mathematical foundations of Quantum Machine Learning
Type	Summer school
Place	University of Trento
Dates	26/06/2023-30/06/2023
Event	Recent advances in quantum and statistical mechanics
Type	Summer School
Place	Hausdorff school for advanced studies in mathematics
Dates	8/02/2023-10/02/2023
Event	Trails in quantum mechanics and surroundings
Type	Conference
Place	SISSA, Trieste

Education and training

Dates	2019-2022
Title of qualification awarded	Master Degree in mathematics
Principal subjects	Algebra and geometry applied to quantum physics
Name and type of organization providing education and training	Sapienza university of Rome, Piazzale Aldo Moro 5
Level in national classification	110/110 Cum Laude
Dates	2021
Title of qualification awarded	IELTS Qualification
Principal subjects	English language
Name and type of organization providing education and training	British Centre
Level in international classification	7.5/9
Dates	2020
Title of qualification awarded	Technological Translator
Occupational skills covered	Dialog between industry and research institution
Name and type of organization providing education and training	Institute for the Application of Computing Mauro Picone (Centre of National Research)
Dates	2016-2019
Title of qualification awarded	Bachelor Degree in Mathematics
Principal subjects	General mathematics
Name and type of organization providing education and training	Sapienza university of Rome, Piazzale Aldo Moro 5
Level in national classification	110/110 Cum Laude
Dates	2014-2016
Title of qualification awarded	Final year tests
Principal subjects	English language
Name and type of organization providing education and training	British Council
Level in international classification	A
Dates	2011-2016
Title of qualification awarded	Scientific Graduation Exam
Principal subjects	General High-School subjects
Name and type of organization providing education and training	Scientific High School Cavour
Level in national classification	68/100

Personal skills and competences

Mother tongue

Other language

*Self-assessment
European level^(*)*

Language

Italian tongue

English

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
8,5/9	8,5/9	7/9	7/9	6,5/9

(*) *Common European Framework of Reference (CEF) level*

Artistic skills and
competences

Amateur Piano Player, I attended one year of lectures at the Conservatory of Frosinone in 2011

Driving licence

B-type driving licence, obtained in 08/2016

Additional information

Math competitions

2008-2010: Kangaroo maths competition and Fall games
2011-2016: Guidance as captain in the Italian maths team competition
2017-2020: Organizer at university team for the the Italian maths competition

Chess competitions

2011-2016: Participation at the provincial and regional chess team tournaments

Personal Interests

Role-playing games, karate, chess, gym

F.to (Gabriele Peluso)