

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

Teaching and Tutoring

| | |
|------------|---|
| 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 | 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
Principal subjects
Name and type of organization
providing education and training
Level in international
classification

Final year tests
English language
British Council

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Dates
Title of qualification awarded
Principal subjects
Name and type of organization
providing education and training
Level in national classification

2011-2016
Scientific Graduation Exam
General High-School subjects
Scientific High School Cavour

68/100

Personal skills and competences

Mother tongue
Other language

*Self-assessment
European level^(*)*

Language

Artistic skills and
competences

Driving licence

Additional information

Math competitions

Chess competitions

Personal Interests

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

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

B-type driving licence, obtained in 08/2016

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

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

Role-playing games, karate, chess, gym

F.to (Gabriele Peluso)