



Ermes Peci

Nationality: Italian Date of birth:

WORK EXPERIENCE

Teaching assistant

Università di Genova [03/2022 – 09/2022]

Exercises at the blackboard (thermodynamics, electromagnetism) and tutoring activity for the “General Physics” course, B.Sc. in Biomedical Engineering. 30 hours (one semester).

Teaching assistant

Università di Genova [10/2022 – 09/2023]

Exercises at the blackboard (mechanics, thermodynamics, electromagnetism) and tutoring activity for the “General Physics” course, B.Sc. in Biomedical Engineering. 60 hours (two semesters).

EDUCATION AND TRAINING

Ph.D. student in Physics

Università di Genova [11/2021 – Current]

Master's degree in Physics

Università di Genova [09/2019 – 09/2021]

Final grade: 110/110 cum laude

Thesis: Dielectric properties of van der Waals heterostacks composed of transition metal dichalcogenides

Bachelor's degree in Physics

Università di Genova [09/2016 – 03/2020]

Final grade: 107/110

Thesis: Experimental observation of the Bose-Einstein condensation

LANGUAGE SKILLS

Mother tongue(s): **Italian**

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Programming Languages

C++ / Python / LabVIEW G / Verilog HDL

PUBLICATIONS

Dielectric Function of 2D Tungsten Disulfide in Homo- and Heterobilayer Stacking

Adv. Mater. Interfaces 2023, 10, 2201586

Ermes Peci, Michele Magnozzi, Lorenzo Ramò, Marzia Ferrera, Domenica Convertino, Simona Pace, Giorgio Orlandini, Apoorva Sharma, Ilya Milekhin, Georgeta Salvan, Camilla Coletti, Dietrich R. T. Zahn, Francesco Bisio, and Maurizio Canepa

Local dielectric function of hBN-encapsulated WS₂ flakes grown by chemical vapor deposition

J. Phys.: Condens. Matter 2023, 35, 274001

Marzia Ferrera, Apoorva Sharma, Ilya Milekhin, Yang Pan, Domenica Convertino, Simona Pace, Giorgio Orlandini, Ermes Peci, Lorenzo Ramò, Michele Magnozzi, Camilla Coletti, Georgeta Salvan, Dietrich R. T. Zahn, Maurizio Canepa, and Francesco Bisio

CONFERENCES AND SEMINARS

ICSE-9, 9th International Conference on Spectroscopic Ellipsometry

[Held online, 22/05/2022 – 28/05/2022]

Epioptics-16 & X-enes 4, International School of Solid State Physics

[Erice (Italy), 03/07/2022 – 09/07/2022]

Poster presentation: *Probing the Dielectric Function of Two-Dimensional Tungsten Disulfide in Homo- and Heterobilayer Stacking*

108th National Congress of the Italian Physical Society

[Milano (Italy), 12/09/2022 – 16/09/2022]

Oral presentation: *Dielectric properties and exciton tunability of two-dimensional WS₂ in van der Waals bilayers*

E-MRS 2022 Fall Meeting

[Warsaw (Poland), 19/09/2022 – 22/09/2022]

Poster presentation: *Probing the Dielectric Function of Two-Dimensional Tungsten Disulfide in Homo- and Heterobilayer Stacking*

2D Quantum Matter Summer School

[Lucca (Italy), 10/07/2023 – 13/07/2023]

WSE2023 12th Workshop on Spectroscopic Ellipsometry

[Prague (Czech Republic), 18/09/2023 – 22/09/2023]

Oral presentation: *Dielectric Function of Two-Dimensional Tungsten Disulfide in Homo- and Heterobilayer Stacking*

11/2023