



Date of birth / 26/06/2000
Nationality/ citizenship / Italy
MESSINA (ME)
Driving licence / B / Car available
ID/5724217 updated on 27/03/26

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FOREIGN LANGUAGE SKILLS

MOTHER TONGUE(S): Italian



ENGLISH
GOOD B2 B2 B2 B2 B2

DIGITAL COMPETENCES

DigComp

Information and data literacy **Independent user**

Communication and collaboration

Proficient user

Safety **Independent user**

Problem solving **Independent user**

EXPECTATIONS AND FEATURES OF THE DESIRED JOB

INTENTION TO CONTINUE STUDIES: **Yes** /
Doctoral studies

AVAILABILITY FOR BUSINESS TRAVELS:
Yes, even frequently



ACADEMIC STUDIES

PH.D.
2024 - 2027
ONGOING STUDIES



Università
degli Studi di
Messina

Università degli Studi di MESSINA
Dottorato di Ricerca in Fisica
PhD cycle: 40

Expected graduation date: 2027

MASTER'S DEGREE
2022 - 2024

CERTIFIED TITLE



Università
degli Studi di
Messina

Università degli Studi di MESSINA
Dipartimento di Scienze Matematiche e Informatiche, Scienze
Fisiche e Scienze della Terra
PHYSICS

specific field of the degree course: condensed matter physics
LM-17 - 2nd level degree in Physics

Dissertation/thesis title: Phase behavior of a two-dimensional fluid
of particles with competing interactions | Dissertation/thesis
subject: STATISTICAL PHYSICS | Thesis supervisor: PRESTIPINO
GIARRITTA SANTI

Official duration: 2 years

Final degree mark: **110/110 cum laude**

Graduation date: 30/07/2024

BACHELOR'S DEGREE
2019 - 2022

CERTIFIED TITLE



Università
degli Studi di
Messina

Università degli Studi di MESSINA
Dipartimento di Scienze Matematiche e Informatiche, Scienze
Fisiche e Scienze della Terra
FISICA

L-30 - 1st level degree in Physics

Dissertation/thesis title: Il metodo della matrice di trasferimento in
meccanica statistica | Dissertation/thesis subject: METODI
MATEMATICI DELLA FISICA | Thesis supervisor: PRESTIPINO
GIARRITTA SANTI

Official duration: 3 years

Final degree mark: **110/110 cum laude**

Graduation date: 11/10/2022

SCIENTIFIC CERTIFICATE
MESSINA
2019

Scientific High School

Giuseppe Seguenza, MESSINA (ME)

School-leaving examination mark: **100/100 cum laude**

Kind of secondary school diploma: Italian secondary school diploma

Kind of secondary school attended: Public school



WORK EXPERIENCES

academic advisor
**UNIVERSITÀ DEGLI STUDI
DI MESSINA**
MESSINA (ME)
05/2023 - 03/2024

Main activities and responsibilities: Information tutoring activities to
support orientation activities for the Physics degree course
Employed as: other - consulting/collaboration



OTHER POSTGRADUATE STUDIES

UNIME SCHOOL OF
EXCELLENCE 2023
2023

Scuola di Eccellenza UNIME

Università degli Studi di MESSINA

Participation in the sixth edition of the School of Excellence,

organized by the University of Messina in collaboration with the



INFORMATION TECHNOLOGY SKILLS

OFFICE AUTOMATION

Spreadsheets: Microsoft Excel (Advanced)

APPLICATION SOFTWARE

Numerical analysis: Maple (Foundation), Mathematica (Intermediate), MATLAB (Intermediate) | **Statistical analysis:** ROOT (Foundation)

COMPUTER PROGRAMMING

Markup languages: LaTeX (Advanced) | **Programming languages:** C++ (Foundation), Fortran (Intermediate), Julia (Foundation)



CONFERENCES AND SEMINARS

CONFERENCES

01/11/2025

ATOM25, Dresden, Germany

I attended the ATOM25 conference, held in Dresden (Germany) from 11/24/2025 to 11/28/2025, where I presented a poster entitled 'Exact study of finite-size effects in the Extend Bose-Hubbard Model'.

CONFERENCES

01/09/2025

SIF2025, Palermo, Italy

I attended the SIF2025 national conference, held in Palermo from 22/09/2025 to 26/09/2025, where I gave an oral presentation entitled 'Stripes in binary mixtures of lattice gases'

CONFERENCES

13/07/2025

Statphys29, Firenze, Italy

I've attended the international conference of statistical physics Statphys29, held in Florence from 13/07/2025 to 18/07/2025, where I presented a poster entitled 'Self organization of particles on a curved grid'

Character: Poster contribution

CONFERENCES

07/07/2025

Fismat2025, Venice, Italy

I've attended the Fismat2025 conference, held in Venice from 07/07/2025 to 11/07/2025, where I presented an oral contribution named 'Wang-Landau study of lattice gases defined on geodesic grids'

Character: Oral contribution



PUBLICATIONS

JOURNAL ARTICLES

2025

Gabriele Costa, Santi Prestipino, Onset of stripe order in classical fluids: Lessons from lattice-gas mixtures

Review: The Journal of Chemical Physics

Publisher: AIP

pubs.aip.org/aip/jcp/article/163/17/174904/3370534

JOURNAL ARTICLES

2025

Gabriele Costa, Santi Prestipino, Wang-Landau study of lattice gases on geodesic grids

Review: Physical Review E

Publisher: APS

journals.aps.org/pre/abstract/10.1103/bnyl-k1mt

JOURNAL ARTICLES

2025

Gabriele Costa, Santi Prestipino, Self-Assembly of Particles on a Curved Mesh

Review: Entropy

Publisher: MDPI

www.mdpi.com/1099-4300/27/1/46

JOURNAL ARTICLES

2024

Carmelo Corsaro, Gabriele Orlando, Gabriele Costa, Mariangela Latino, Francesco Barreca, Angela Maria Mezzasalma, Fortunato Neri,

JOURNAL ARTICLES
2022

Enza Fazio, Wetting Behavior Driven by Surface Morphology Changes Induced by Picosecond Laser Texturing

Review: Materials

Publisher: MDPI

www.mdpi.com/1996-1944/17/8/1719

Santi Prestipino, Gabriele Costa, Condensation and Crystal Nucleation in a Lattice Gas with a Realistic Phase Diagram

Review: Entropy

Publisher: MDPI

www.mdpi.com/1099-4300/24/3/419