Curriculum reso sotto forma di dichiarazione sostitutiva di atto di notorietà, ai sensi degli artt. 19 e 47 del D.P.R. 445/2000. Consapevole, secondo quanto prescritto dall'art. 76 del D.P.R. 445/2000, della responsabilità penale cui può andare incontro in caso di dichiarazione mendace, falsità negli atti ed uso di atti falsi, il sottoscritto dichiara sotto la propria responsabilità quanto segue:

Personal Info

Name	Verdiana Piselli

Education

2018-2022	Ph.D. in Quantum Technologies Thesis title - Static and Dynamic coherence Effects in Fermionic Superfluids at finite Temperature.	University of Naples, CNR, University of Camerino
2015-2018	M.Sc. magna cum laude Thesis title - Proximity effect at finite temperature throughout the BCS-BEC crossover.	University of Camerino
2012-2015	B.Sc. magna cum laude Thesis title - Misure sperimentali sul rallentamento di atomi ultrafreddi tramite l'effetto Zeeman [Experimental measurements of the slowdown of ultracold atoms by means of the Zeeman effect].	University of Camerino
2007-2012	High school	IIS Filelfo

Experience

2022-2023	Research Fellow	CNR-INO
05-10/2018	Internship	6Tour srl

Publications

2024	S. Simonucci, **V. Piselli**, L. Pisani, and G. Calvanese Strinati *Josephson effect with a realistic barrier in the BEC limit of an ultra-cold Fermi gas.* (under preparation)
2024	**V. Piselli**, L. Pisani, and G. Calvanese Strinati, *Inclusion of pairing fluctuations in a semiclassical approach: The case of study of the Josephson effect.* (submitted to European Physical Journal A)
2024	L. Pisani, **V. Piselli**, and G. Calvanese Strinati, *Critical current in the BCS-BEC crossover with inclusion of pairing fluctuations.* arXiv 2311:00540 (submitted to Phys. Rev. A)
2023	L. Pisani, **V. Piselli**, and G. Calvanese Strinati, *Inclusion of pairing fluctuations in the differential equation for the gap parameter for superfluid fermions in the presence of nontrivial spatial constraints.* Phys. Rev. B, **108**, 214503.)
2023	**V. Piselli**, L. Pisani, and G. Calvanese Strinati,

	Josephson current flowing through a nontrivial geometry: The role of pairing fluctuations across the BCS-BEC crossover. Phys. Rev. B, **108**, 214504.)
2020	**V. Piselli**, S. Simonucci, and G. Calvanese Strinati, *Josephson effect at finite temperature along the bcs-bec crossover.* Phys. Rev. B, **102**, 144517.
2018	**V. Piselli**, S. Simonucci, and G .Calvanese Strinati, *Optimizing the proximity effect along the bcs side of the bcs-bec crossover.* Phys. Rev. B, **98**, 144508.

Talks, Conferences, Summer Schools

2023	Seminar. University of Camerino, Italy Josephson current flowing through a nontrivial geometry: The role of pairing fluctuations across the BCS-BEC crossover.
2023	International Workshop on Quantum coherent dynamics: turbulence, non-equilibrium and interactions (QACTUS 2023). Institut d'Estudis Catalans, Barcelona, Spain Poster - Time-dependent dynamics of a two-component Fermi gas.
2023	Conference on Quantum-Many-Body Correlations in memory of Peter Schuck (QMBC 2023). IJCLab, Orsay, France Invited talk - Josephson effect at finite temperature throughout the BCS-BEC crossover with the inclusion of pairing fluctuations.
2021	Quantum Technologies Summer School. Online Talk - Transient phenomena in a superfluid Fermi gas.
2020	Quantum Technologies Summer School. Online Talk - Josephson effect at finite temperature along the BCS-BEC crossover.
2019	Advanced Scientific Programming in Python Summer School (ASPP2019). Camerino, Italy
2019	Quantum Technologies Summer School. Ischia, Napoli, Italy Talk - Study of the Josephson current along the BCS side of the BCS-BEC crossover

Teaching

11/2018 -	Private Tutor Private lessons in Mathematics and Physics to undegraduate and high school students.
09/2020	Lecturer University of Camerino Introductory class in Mathematics to undergraduate students of the course in Biosciences and Biotechnologies.
04-06/2020	Graduate teaching assistant University of Camerino Exercises for the course in Electromagnetism to undergraduate students of the course in Mathematics at the University of Camerino.
2018-2019	Graduate teaching assistant University of Camerino Exercises for the course in General Physics II to undergraduate students of the course in Physics.