Stanford



Federico Vismarra

Project Scientist, Accelerator

Curriculum Vitae available Online

Bio

BIO

My work sits at the intersection of attosecond science, ultrafast spectroscopy, and accelerator-based photon science. I develop experimental methods that use extreme-ultraviolet and soft X-ray pulses to follow electronic and nuclear dynamics in matter on their natural timescales. I am particularly interested in electronic quantum coherence, ultrafast spin coupling, high-harmonic generation, and attosecond metrology at free-electron laser facilities. Before joining SLAC, I worked across Europe, I was PhD student in Politecnico di Milano in Italy, visiting researcher at Lund University in Sweden, and postdoctoral researcher at ETH Zürich in Switzerland.

CURRENT ROLE AT STANFORD

Project Scientist at SLAC

HONORS AND AWARDS

- Leonardo Award, Mathematical & Physical Sciences and Engineering, Leonardo da Vinci Society and ISSNAF (2026)
- Dieter Schwarz Fellow, Lindau Nobel Laureate Meeting (2024)

EDUCATION AND CERTIFICATIONS

- PhD, Politecnico Di Milano , Physics (2024)
- MS, Politecnico di Torino , Physics of Complex Systems (2021)
- MS, Politecnico Di Milano , Photonics and Quantum Technology (2020)
- BcS, Politecnico Di Milano , Engineering Physics (2018)

LINKS

- My Personal Website: https://fedefirefox.github.io/federico.vismarra.myquantumreality/#home