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Profile

Graduated in Materials Engineering from the University of Modena in 2003, I obtained a PhD in Materials Engineering in 2007. During my early research career, I collaborated with the National Institute for the Physics of Matter (INFN) and subsequently worked as a Research Fellow at the University of Modena and Reggio Emilia.

Since 2008, I have been a member of the Technical and Administrative Staff of the University of Modena and Reggio Emilia, working as a technician at the Electronic Spectroscopies Laboratory within the Department of Engineering "Enzo Ferrari".

My technical and scientific expertise focuses on the study of the electronic properties of semiconductor surfaces and interfaces. I have extensive experience in the preparation, growth, and characterization of materials under ultra-high vacuum (UHV) conditions, including metallic, semiconductor, and insulating systems.

My competencies include the use of advanced surface analysis and characterization techniques, such as X-ray Photoelectron Spectroscopy (XPS), Ultraviolet Photoelectron Spectroscopy (UPS), Electron Energy Loss Spectroscopy (EELS), Auger Electron Spectroscopy (AES), and Atomic Force Microscopy (AFM).

In addition to laboratory activities, I contribute to several institutional services within the Department of Engineering "Enzo Ferrari", including Identity Management services, communication activities as a member of the Department Communication Working Group, and safety-related duties as Fire Safety and First Aid Officer.