

Prof. R. Biagi CV

Roberto Biagi, PhD, is an Associate Professor of Experimental Physics at the University of Modena and Reggio Emilia, Italy. His research expertise spans materials science and the physics of surfaces and interfaces, which he investigates using a broad range of spectroscopic and surface-sensitive techniques.

His experimental activity is conducted both at his home institution—using X-ray and ultraviolet photoelectron spectroscopy and high-resolution electron energy-loss spectroscopy—and at synchrotron radiation facilities. Over several decades, he has developed extensive expertise in X-ray absorption spectroscopy for investigating the structural, electronic, and magnetic properties of materials.

His research has addressed the surface properties of a wide variety of materials and their interactions with atomic and molecular adsorbates, including molecular magnets. More recently, he has extended his expertise to electrochemical materials and devices, with a focus on developing efficient, sustainable, and cost-effective solutions for green-energy conversion and environmental applications.

He is the co-author of 73 peer-reviewed publications and has an h-index of 27.