

Born in 1959, PhD at the Swiss Federal Institute of Technology (ETH)Zurich, since 1992 Associated Professor and since 2011 full professor at the Science Faculty of the University of Pavia. He has been vice-director of the Physics Department "A.Volta" and is responsible of the local Optical Spectroscopy Laboratory; he has been coordinator or local scientific responsible for several different national-(GNSM, CNR, INFN, MURST-Cofin98) and international- (CEE-Human Capital and Mobility, II Italy-Austria scientific collaboration) projects.

His main interest is the optical spectroscopy of solid state materials and he has been involved in researches on heavy fermions, silicides and fullerenes and SiGe systems. The recent topic of interest are photonic crystals and optical response in semiconducting polymers. In collaboration with the Joint Research Centre of the European Commission in Ispra, he began the study of biosensor devices based on plasmonic crystals. He is author of 142 publications on international journals, more than 40 written contributions and 80 talks at conferences, schools and meetings (27 invited, among which two at EPS-Condensed Matter Division: Prag 1992 and Stresa 1996); he is inventor in 5 patents among which one for an interferometry based instrument (2003) and one for a plasmon resonance based biosensitive device (2010). He has been referee of national and international projects (National Science Foundation, EU-COST) and contractor for research with industry. He is cofounder of the spin-off Plasmore.