


Personal Information

Full name	Mauro Taborelli	
Current position	Section leader TE-VSC-SCC	
Organization	CERN	
Country	Switzerland	

Short Biography

After university studies in Physics, M.Taborelli obtained a PhD in Physics on surface magnetism at ETH Zurich (Switzerland) in 1988. He moved to the University of Namur (Belgium) where he worked as a postdoc on the development of UHV STM from 1989 to 1990. He then applied the experience gained on such instruments when he joined the group of Applied Physics of the University of Geneva (Switzerland) in 1990 and used scanning probe microscopies for the observation of biological molecules and surfaces of biomaterials. After a period of one year in 1997 at the university of Lausanne (Switzerland), where he started the development of a low temperature UHV AFM, he obtained a position on surface analysis at CERN (European Organisation for Nuclear Research) in Geneva. M.Taborelli worked on the surface analysis problems related to accelerators, as Non Evaporable Getter (NEG) activation, surface contamination assessment and secondary electron modification. Since 2009 he leads the section of Surfaces Coatings and Chemistry in the Vacuum Surfaces and Coatings at CERN. He is presently involved in several activities of development for the upgrade of the LHC injectors and the High Luminosity LHC project.