

Cristiano Albonetti is Scientist at ISMN-CNR and contract professor at the Chemistry Department of the University of Bologna (Italy). He teaches nanotechnology in the master degree in Photochemistry. He obtained his PhD in Physics at University of Bologna in 2005.

He performs experimental research activities on: 1) scanning probe microscopy (SPM) techniques (especially morphological and electrical); 2) physics of organic films growth; 3) physical modelling of the tip-surface interactions; 4) fabrication and characterization of hybrid electronic devices such as organic field-effect transistors; 5) fast and parallel techniques for nanostructures fabrication (he has one patent right on this topic). He performed also experiments on the fabrication of superficial nanostructures by using organic and inorganic materials. He has a large expertise about experimental scanning probe microscopy techniques for investigating superficial and sub-superficial material properties. Since 2016, he is responsible of the ISMN facility SPM@ISMN, aiming to spread SPM knowledge, and member of the ISMN scientific council. Since 2006, he was supervisor of seven master degree students and five PhD students of UniBo, both in chemistry and in physics. He has been elected in both the Italian Society of Microscopy Science board (since 2011) and the European Microscopy Society board (since 2016). He has been responsible for ISMN in: 1) a STReP european project (ForceTool) on Scanning Force Microscopy; 2) several WPs and Deliverables of two IP european projects (Naimo and OneP) on organic electronics; 3) two national project "Fabbrica del Futuro" (MaCISte and Rolling CIGS) promoted by CNR (running projects). He is author of 50 publications in international and national journals, with about 1550 citations and H-index 21. He has participated to about 50 international conferences with oral presentations (also invited) and as chairman.