

Paul Dumas

Paul Dumas is a Director of Research, at the CNRS (Centre National Recherche Scientifique) in France, and presently works at the French Synchrotron facility SOLEIL (France). He is a physicist, who works for several years on surface science vibrational spectroscopy. He did a two years post doctoral stay at University of Berkeley (California) with Prof. P.A. Richards. Then, he worked on ideally hydrogen terminated Si(111) surfaces, in close collaboration with Dr. Y. J. Chabal, from ATT Bells Labs. In the 90's, he collaborates closely with G.P. Williams, at the National Synchrotron Light Source, at Brookhaven, to study the far infrared surface modes, and the vibrational dynamics at metallic surfaces, using the synchrotron source. Dr. Dumas initiated also several studies in infrared microscopy using the synchrotron source. He promoted this analytical technique in France, at LURE, where he was responsible for the design and construction of an infrared microscope beamline at LURE, the French National synchrotron Center, until its closing in December 2003. He has contributed to the design of a Synchrotron Infrared beamline at ESRF (the European Synchrotron radiation Facility). Presently, Dr. Dumas is responsible of the design and construction of an Infrared beamline at SOLEIL, and in charge of the related-scientific activity and animation. His research program, apart for surface science, includes studies of individual cells in Biology, geological inclusions, astrophysics, soft matter and archeology. He is also member of several Scientific Advisory Committees and Program Review Committees of Synchrotron facilities around the world.