

Dr Peter Samartzis is a Researcher at the IESL-FORTH . He graduated from the Chemistry Department of the University of Crete in 1996 and received his Ph.D. in Physical Chemistry from the same Department in 2003 under the supervision of Th. Kitsopoulos. He carried out post-doctoral research in the USA, initially at the University of California Santa Barbara (2003-2007) under the supervision of A. Wodtke and then at the California Institute of Technology-Caltech (2007-2009) under the supervision by A. Zewail (Nobel Chemistry 1999). He returned to Greece and has been working at FORTH since 2010. His research interests include the study of the structure, chemical reactivity and energy changes of matter in their quantum detail with a wide variety of techniques (optical spectroscopy, laser spectroscopy, ionic imaging / tomography, ultra fast electron diffraction, mass spectrometry) and tools (lasers, high vacuum, position-sensitive detectors, custom-built electron diffractometers). Among other things, he has studied spectroscopic detection and characterization of high energy density molecules, cluster photolysis procedures, interactions of high energy excited states of molecules and excitation/relaxation mechanisms of organic crystals and carbon nanotubes.

The results of his work have been published in 50 articles in international, peer-reviewed journals and in international conferences. He has also participated in a significant number of national and European research programs and two of his proposals have advanced into the second phase of ERC programs and received relevant national funding (Seal of Excellence).