

Tatiana Latychevskaia studied physics at Peter the Great St. Petersburg Polytechnic University in Russia, where after finishing her diploma she was employed as a teaching assistant at the Department of Theoretical Physics, teaching classes in classical mechanics, quantum mechanics and electrodynamics. In 1997 she joined the group of Prof Urs Wild at the ETH Zurich, Physical Chemistry Laboratory, where she completed her doctoral thesis in 2001. The thesis was dedicated to experimental detection of single molecule fluorescence at 1.4 K temperature and measuring the Stark effect on single molecules. In 2001 Tatiana Latychevskaia joined the group of Prof. Hans-Werner Fink at the University of Zurich where she was leading the research in developing numerical methods for reconstruction of low-energy electron diffraction images and holograms of nano-scale samples and single biomolecules. In 2017 – 2018 she worked as a senior researcher at LUMES Laboratory, EPFL Lausanne, in the group of Prof. Carbone, providing data analysis support for experimental results in time-resolved electron diffraction of nano-scale systems. Since 2018 she is working in the BIO Department at the Paul Scherrer Institute, developing methods and algorithms for electron diffraction of nano-scale objects and individual biomolecules.