



Anatoly Snigirev is a staff scientist at the European Synchrotron Radiation Facility (ESRF) in Grenoble (France) and was born in 1957. He received his PhD from the Solid State Physics Institute of the Russian Academy of Sciences (RAS) in Chernogolovka in 1986 in the field of dynamical X-ray diffraction on crystals. Between 1986 and 1993, he was the Head of the X-ray Crystal Optics Group at the Institute of Microelectronics Technology (RAS) in Chernogolovka. In this period, he studied X-ray diffraction by silicon-based microstructures leading to the invention of Bragg-Fresnel optics. In 1990, Anatoly Snigirev received a fellowship from the Alexander von Humboldt Foundation to work at Dortmund University in Germany. He came to the ESRF as a beamline scientist in 1993 and used the coherence properties of the third generation X-ray facilities for the application of imaging techniques, such as phase contrast imaging, holography and interferometry. Since the beginning of 1995, he has also strongly been involved in the new approach for X-ray focusing based on the idea of refractive optics.