

**Carlo Sirtori** received his PhD in physics from the University of Milan in 1990. The same year he joined Bell Labs where he started his research career on quantum devices. During his years at Bell Labs he made important contributions in the field of semiconductor quantum structures such as the invention and the development of the “Quantum Cascade Laser”. In 1997, Carlo Sirtori joined THALES Research & Technology (TRT) in France and in 2000 he became the head of the “Semiconductor Laser Group” for the development of semiconductor lasers from the near- to the far-infrared. In 2002, he has been appointed Professor at the University Paris Diderot, where he pursues his research on quantum devices. Since 2010, he is the Director of the MPQ laboratories of the CNRS and University Paris Diderot. One of his major research activities is, at present, the investigation of electrically injected devices operating in the light-matter strong coupling regime. Carlo Sirtori is the author of more than 220 articles in peer reviewed journals and has given some 100 invited talks at international conferences. He has received several prestigious awards such as the Fresnel Prize (European Physical Society) and various prizes in the USA, such as the “quantum devices award”. In 2010 he was awarded an ERC-advanced-grant for his pioneering research on quantum devices. He is also member of the *Institut Universitaire de France*.