



Jean-Michel, GERARD received his PhD degree in Physics from Paris VI University in 1990. He has been in charge of QD research at France Télécom R&D in Bagnex from 1995 to 2001, head of the Nanophysics and Semiconductors CEA-CNRS team in Grenoble from 2001 to 2005, and Head of the Physics of Materials and Microstructures laboratory (CEA/SP2M) since 2005. From 1997 to 2009, he has also been Physics Professor at Ecole Polytechnique, Palaiseau. He has given pioneering contributions to the development of QD growth method and to nanophotonics (single QD spectroscopy, cavity quantum electrodynamics experiments

with QDs, QD single photon sources) for which he has received the “Prix fondé par l'Etat” from French Academy of Sciences in 2005 and the “Quantum Device Award” founded by Fujitsu Corp in 2008. His present research aims at developing advanced optoelectronic devices based on QED effects in cavities or photonic wires, such as quantum light sources, microlasers and photonic switches. He has published around 350 papers indexed on the Web of Science (>10000 citations, H=50), presented more than 150 invited talks at international conferences and schools, and has registered 13 patents.