



Tiziana Cesca was born in Venice (Italy) in 1974. In 1998, she obtained the degree in Physics *cum laude* and in 2003 the PhD in Physics from the University of Padova. In 1999, she was visiting scientist at the Laboratory of Nonlinear Integrated Optics of the Centre for Optics, Photonics and Lasers (COPL) of the Laval University, Quebec City (Canada). In the period 2003-2007, she had a post-doc fellowship of the University of Padova to work on a project entitled "Investigation of the electrical and optical properties of transition metals in III-V semiconductors and of their applications". In 2013, she was visiting scientist at the Istituto de Fisica of the Universidad Nacional

Autonoma de Mexico (UNAM), Mexico City, Mexico. Since 2007, she is Assistant Professor in Physics of Matter at the University of Padova and she works at the Department of Physics and Astronomy (DFA). Her research activity is mainly experimental and is focused on the investigation of structural and optical properties of nanostructured materials for applications in nanophotonics (in particular plasmonics), sensing and nonlinear optics. Her interests include also the study of structural, electrical and optical properties of impurities introduced in semiconductors and glasses by ion implantation for applications in the field of optoelectronics.