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Short biography

Natalia Del Fatti studied Electronic engineering at Politecnico di Milano (Italy) and Physics at Ecole Polytechnique (France), where she also received her Ph.D in 1999. She has more than twenty years experience in the field of ultrafast dynamics of semiconductors, bulk metals and metal nanoparticles. She was appointed Assistant Professor at the University of Bordeaux in 2000, where she developed a novel research axis on single nano-object optical spectroscopy. Professor at University of Lyon 1 since 2006 and member of Institut Universitaire de France, she founded the FemtoNanoOptics group specialized in optical investigations of nanomaterials. Her current research interests include non-linear optics, ultrafast lasers, plasmonics and nanophysics (nano-optics, electronics, acoustics and thermics). She co-authored over 120 publications (> 6400 citations, H = 46 - WoS) and 200 communications, half of which invited in international conferences. She is head of the Master “Physics & Chemistry - Sciences de la Matière” joint with Ecole Normale Supérieure de Lyon, and coordinates the multidisciplinary Laboratory of excellence iMUST (Labex Institute for Multiscale Science & Technology) in Lyon-St Etienne.