

Vito Lambertini

Responsible of the "Nanomaterials and nanodevices" group at FIAT Research Center (CRF)

Dr. Ing. Industrial Chemistry, Politecnico of Torino, 1994.

Vito has worked at CRF since 1994 contributing in the development of several automotive prototypes in the field of lighting systems, MEMS and energy generation; different facilities are present at Micro and Nanotechnology laboratories which includes today Micro and Nano-fabrication (microlithography, nanoimprinting, thin and thick film processing, self assembling), Metrology (SEM/FIB, AFM, Photometry) and Cleanroom.

He has developed various techniques for mass replication of optical elements. He mastered the development of micro-optical elements based on microlithography and by mass transfer on polymers compositions to fabricate lighting systems prototypes for automotive applications; he contributed in the development and transfer to mass production of the first taillight based on diffractive optics installed on Lancia Lybra in 1996. He worked since 1998 in fabrication of organic based lighting sources and display (OLED/PLED) for thin backlight and dashboard. Currently, he is responsible for different EU projects on deposition, synthesis and patterning of organic and inorganic materials for displays (NaPANIL, MULTIFLEXIOXIDES), LEDs lighting systems (MULTILAYER) and energy production (INNOVASOL, DEPHOTEX).

