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Research areas: Nanomaterials, Electrospinning, Optical gas and chemical sensors, Resistive gas sensors.

Research keywords: Materials with advanced optical properties, photoluminescence, synthesis, characterization and application of nanomaterials, organic, inorganic and hybrid luminophores,

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Roman Viter is a Senior Researcher at Institute of Atomic Physics and Spectroscopy (ASI), University of Latvia, Riga, Latvia. He received a PhD degree in physics in 2011 at Odessa National I.I. Mechnikov University, Odessa, Ukraine. His research work is focused on development on new materials with advanced optical properties (absorbance, reflectance and photoluminescence) and their applications in sensors and optical coatings. These research activities are highly inter- or multidisciplinary, spanning the fields of engineering, chemistry and physics. Dr. Viter is a coordinator and participant of many national and international research projects. He has intense collaboration with research organizations and companies within EU.

He has authored more than 120 papers published in Scopus journals and 2 book chapters.