

Dr. **Adrian PETRIS**, physicist, Doctor in Physics (1996, thesis on Nonlinear Optics), Senior scientific researcher I (CS I) at National Institute for Laser, Plasma and Radiation Physics (INFLPR), Dept. Lasers, Bucharest-Magurele.

- Research expertise (selection): characterization of nonlinear optical materials (Z-scan, I-scan, wave mixing, pump-probe interferometry), photonic functionalities in nonlinear optical materials (spatial soliton waveguides, lasing, all-optical phase modulation, optical limiting), optical nonlinearities in sub-wavelength structures and in nano-materials, holography and holographic interferometry.
- Awards: Romanian Academy Award for Physics (1999); International Centre for Theoretical Physics (ICTP), Trieste, Regular Associate Award (2005).
- Research stages (selection): Imperial College, London (1996-2001, each year); Univ. "La Sapienza", Rome (2001-2009, each year, 2011); ICTP, Trieste (2006-2012, each year).
- Project leader of 6 research grants in Nonlinear Optics (funded by: Romanian Academy, MCT, MEC, CNCSIS); Key researcher in 6 international projects (PHOREMOST, COST actions, bilateral projects) and in 14 national projects on Nonlinear Optics and Nanophotonics (optical processes, characterization and applications of nonlinear optical response) (in Ideas, Partnerships, CEEX, CERES, CNCSIS grants).
- Teaching activity: Tech. Univ. of Civil Eng. (1999-2005) - Physics; Univ. Bucharest (1988-2002) - Optics, Information Optics; Supervisor of 20 Diploma and MS theses on Nonlinear Optics.
- Member of the Scientific Council of INFLPR since 2004. Expert in elaboration of the research strategy in Optics and Photonics in Romania (ESFRO Project, 2011) and of the European Roadmap for Photonics and Nanotechnologies, MONA - "Merging Optics and Nanotechnologies" European Consortium (2008).
- Editor-in-chief (Optoelectronics and Photonics): Journal of Optoelectronics and Advanced Materials, Optoelectronics and Advanced Materials – Rapid Communications; Member of the Editorial Board: Romanian Reports in Physics. Referee (optics): 10 ISI journals.
- Member of Program Committees of Intl. Conf.: ROMOPTO (Romania, 2006, 2009, 2012, 2015, INDLAS (Romania, 2007, 2008, 2013, 2014 – co-chairman), Correlation Optics (Ukraine, 2013, 2015, 2017), Workshop on Adv. Nano- and Biomaterials and their Device Applications (Romania, 2012, 2014, 2016).
- Publications/conferences (on Nonlinear Optics): Over 80 scientific papers published and over 95 scientific communications presented at international conferences. Co-author of book chapters (Kluwer, Springer).