

RESEARCH PROJECTS

International projects:

Project coordinator

- 2014:** a bilateral project entitled “*Verification and test of fault-tolerant circuits*”, realized with IHP, Frankfurt Oder, Germany.
- 2015:** a bilateral project entitled “*Development of modeling and simulation framework for characterization of single event effects in CMOS integrated circuits*”, realized with IHP, Frankfurt Oder, Germany.
- 2015:** a bilateral project entitled “*Study of silicon detectors and structures by using Scanning Transient Current (STC) Technique*”, realized with Jozef Stefan Institute, Ljubljana, Slovenia.
- 2019 – present:** a Horizon 2020 – TWINNING project entitled “*Enhancement of Scientific Excellence and Innovation Potential in Electronic Instrumentation for Ionizing Radiation Environments (ELICSIR)*”, which is realizing with IHP, Frankfurt Oder (Germany), Tyndall Institute, Cork (Ireland), and University of Granada, Granada (Spain).

Local project manager

- 2008 - 2012:** an EU FP7 – REGPOT project entitled “*Joint Research on Various Types of Radiation Dosimeters (RADDOS)*”, realized with Tyndall Institute (Ireland) and Jozef Stefan Institute (Slovenia).

National projects:

Project coordinator

- 2011 - present:** an interdisciplinary national project entitled “*Joint research of measurements and effects of ionizing and UV radiation in medicine and environmental protection*”, funded by the Serbian Ministry of Education, Science and Technological Development. The Faculty of Electronic Engineering is a main institution, and the project gathers researchers from various fields of research from 11 faculties and 4 universities from Serbia and two institutions from abroad.

Project participant:

- 2006-2010** Processes in pre-breakdown and afterglow periods of electrical breakdown in gases at low pressures and defects in semiconductor materials induced by ionizing radiation and electrical field
- 2002-2005** Electrical breakdown in gases at low pressures and some characteristics of semiconductor materials
- 1996-2000** Physical processes in ionized gases and materials in condensed state
- 1995-1997** Semiconductor micro-dosimeters for gamma and X-ray radiations
- 1994-1995** Ionizing radiation semiconductor sensors and dosimeters
- 1993-1994** Development of radiation sensors