



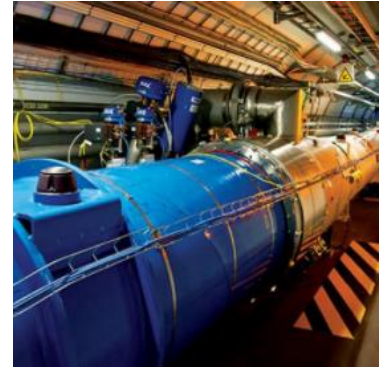
Newsletter #1

September 2019 – January 2020

Welcome to the first edition of the ELICSIR project Newsletter.

From 01 September 2019, this international project funded by the EU Commission has officially started. **ELICSIR project** is aimed at significant strengthening of the research and innovation capacity of the Faculty of Electronic Engineering, University of Niš, Serbia (EF-UNINIS), in the field of electronic instrumentation for radiation environments, i.e. radiation dosimetry and design of radiation hard electronics.

ELICSIR: Enhancement of Scientific Excellence and Innovation Potential in Electronic Instrumentation for Ionizing Radiation Environments



This will be accomplished through establishing the links between EF-UNINIS and three renowned research institutions from the EU having complementary scientific profiles and broad expertise in radiation effects research:

- Tyndall National Institute (TYN) from Ireland,
- IHP GmbH (IHP) from Germany, and
- University of Granada (UGR) from Spain.

The project coordinator is Prof. Goran Ristić (EF).



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UNIVERSIDAD
DE GRANADA

Project website: elicsir-project.eu

Type of action: Coordination and Support
Topic: H2020-WIDESPREAD-2018-2020
Call: WIDESPREAD-3-2018-TWINNING



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 857558.

NEWS

Participation in European Researchers' Night

On September 27, 2019, ELICSIR student members from the Faculty of Electronic Engineering in Niš, Stefan Ilić and Aleksandar Jevtić, participated in the European Researchers' Night in Niš, Serbia.



Aleksandar Jevtić is a fourth-year student at the Faculty of Electronic Engineering in Niš, module Electronic Devices and Microsystems (EKM). He is a member of the Iron Bridge Ćuprija motorcycle club. He is currently engaged in the Applied Physics Laboratory at the Faculty of Electronic Engineering. His areas of interest are: analog microelectronics, microcontrollers and measuring systems.

Stefan Ilić is a fourth-year student at the Faculty of Electronic Engineering in Niš, module Electronic Devices and Microsystems and a junior associate at the Petnica Research Station. He is currently engaged in the Applied Physics Laboratory at the Faculty of Electronic Engineering. His areas of interest are: physical electronics, semiconductor dosimeters and measuring systems.



SMART GEIGER-MILLER COUNTER

A prototype of a smart Geiger-Miller counter with an Android application that can be used as a personal dosimeter was presented. The Android app shows beats per minute (CPM), dose rate, absorbed dose and graph of radiation levels in the previous 30 minutes. The application alerts the user when radiation higher than normal is detected. This system was very interesting to the visitors who paid a lot of attention during demonstration sessions and directed numerous questions to the presenters.



Official Kick-off Meeting

October 3 & 4, 2019, Faculty of Electronic Engineering, University of Niš, Serbia



ELICSIR project partners gathered in Niš to officially start the project. They discussed the project overview and management practices, and gave interesting presentations. Everyone participated in the detailed discussion of project plans and deliverables and, in the end, there was an agreement on the list of actions for all partners in the next six months.

Kick-off Meeting participants:

- Goran Ristić, Faculty of Electronic Engineering, University of Niš, Serbia
- Aleksandar Jakšić, Tyndall National Institute, University College Cork, Ireland
- Alberto J. Palma, University of Granada, Spain
- Antonio M. Lallena, University of Granada, Spain
- Marko Anđelković, IHP GmbH - Institute for High Performance Microelectronics, Germany



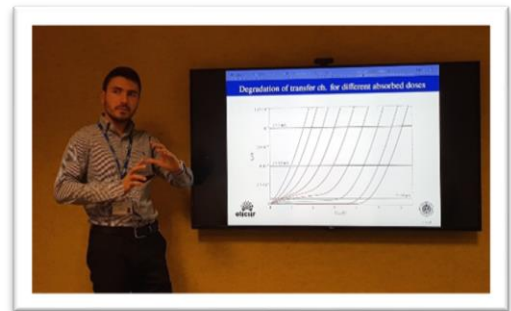
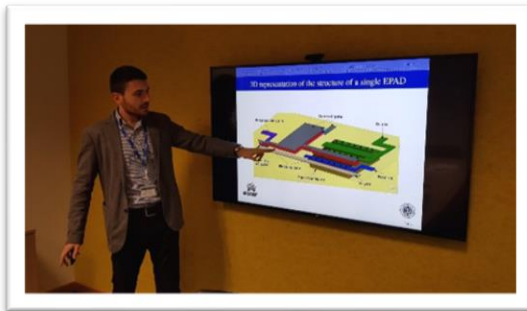
Project Staff Mobility

October 14, 2019

Stefan Ilić, a Master student at the Faculty of Electronic Engineering, began a two-month stay at the Tyndall National Institute, University College Cork, where he was involved in training activities and preparation of publications.

November 27, 2019

During his stay at the Tyndall National Institute, Stefan Ilić gave a lecture titled "Electrically programmable floating gate MOS transistor as a radiation detector".



January 22 – 24, 2020

Stefan Ilić attended the ATLAS Roman Pots General meeting in CERN, Geneva, Switzerland. He gave a talk titled "New AFP RadMONs based on floating gate" during the AFP Detector Session.

