

## Joana Minga's research activity

Electronic Instrumentation Lab

**Research fellow.** Joana Minga has worked as a research fellow for the University of Pavia for developing a test environment for Monolithic Active Pixel Sensors. A VHDL code was developed for an FPGA that delivered the input signals, stored, analyzed data, and sent them to the PC.

**Sales Engineer.** Joana Minga has worked for 3 years (2014-2017) as a sales engineer for ALBtelecom, the biggest telecommunication company in Albania. She offered support to sales agents on customized services for business enterprises and state institutions. She has collaborated in projects aiming the development of internet connection of all the primary and secondary schools in Albania, APN and 3G connection of the electrical grid in Albania.

**University Lecturer.** Joana Minga has worked from 2018 till 2020 as a lecturer in the Polytechnic University of Tirana. She has taught Computer Science to Mechanical and Construction Engineering students.

**Ph.D. Student.** Since 2020, Joana Minga is a Ph.D. student at the University of Pavia in Electronics, Computer Science, Electrical Engineering. She is also a research fellow for the Italian National Institute of Nuclear Physics (INFN). She is involved in the ASAP project, on the development of an electronic board that mounts a CMOS SPAD array sensor of 48x48 pixels. The final product will be a radiation detection probe that reads, processes, and sends signals wirelessly to a PC.