GEORGIOS KONSTANTINOU

Date of Birth 25.04.1985
Nationality Greek
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WORKING EXPERIENCE

March 2019-present
SensYnc
www.sensync.info, Molenwaterweg 13, 3033 CA Rotterdam, The Netherlands
Founder, main technologist for the development of new ideas to shape the world of detectors, from **environmental to medical applications**. Focusing on **feasibility studies, design research and development** and an **agile business model**, currently developing the new generation of **versatile nuclear medicine detectors**.

October 2017 -December 2018
Position-Main activities
European Patent Office
www.**epo.org**/, Patentlaan 2, 2288 EE Rijswijk, The Netherlands
Patent examiner in the technical field of **Medical Diagnostics.** Focused on the **examination of patent applications** with respect to their novel and inventive quality. Such function requires broad understanding of the field and ability to search prior art, treat applications and communicate with applicants in **English, French and German**.

January 2014 -December 2016
Position-Main activities
Hospital general universitario Gregorio Marañon
http://image.hggm.es/, C/ Doctor Esquerdo, 46, 28007 Madrid
Marie Curie fellow (ITN INFIERI) and PhD candidate for the development of **MRI compatible PET detector inserts**. Mainly focused on the application of **innovative multidisciplinary concepts** such as **laser manufacturing, optical wireless communications and intelligent preprocessing firmware (secondment, INFN, Pisa) in nuclear medicine instrumentation**. **Managerial** skills (member of the INFIERI youth representative panel) and **teaching** experience at university level were acquired.

October 2011- December 2013
Position-Main activities
CERN, Geneva
www.cern.ch/, Route de Meyrin 385 1217 Meyrin, Geneve, Suisse
Research and development of electronics in the **Straw sub-detector** of the ultra-rare kaon decay experiment NA62 at CERN. Writing **firmware and software** for the preliminary **data acquisition system**, supporting and participating in the installation of the detector and taking part in the **hardware, firmware and software design** of the final DAQ chain.

October 2009 -December 2010
Position-Main activities
CERN, Geneva
Electronics and accelerator physics. **Designing, writing firmware, preliminary tests and integration** of an **electronics module** for 200 MHz cavities' control in **Proton synchrotron**. Also served as **scientific guide** for CERN's exhibition centers.

WORKING SKILLS

Core Working Skills	Technology transfer, Project management, Agility, Conflict resolution, Multidisciplinary knowledge, Transdisciplinary approach
Technical Skills	Firmware programming, Simulations, Scientific Modelling, Detector Development, Electronics, Patent engineering, Research, Laboratory experience
Topics of Interest	Particle detector technology, Biomedical instrumentation, Positron emission tomography, Patentability, Sub-surface laser manufacturing, Medical imaging, Embedded systems, FPGAs, Electronic design, Data acquisition, Digital communications, Telecommunications, Optical/Optical wireless communications, RF, Accelerator physics, Physics and instrumentation, Lasers

AWARDS

IEEE/MIC NSS 2015, San Diego	**Best student poster award, 1st prize**
Eurobank youth excellence scholarship	**Highest graduation grades, Greece, 2003**

LANGUAGES

Mother tongue	Greek
Full professional proficiency	English, Spanish
Professional working proficiency	French, German

EDUCATION

January 2014 -June 2017	**Universidad Carlos III de Madrid (UC3M),** Departamento de Bioingeniería e Ingeniería Aeroespacial www.uc3m.es/, Avda. de la Universidad, 30 28911 Leganés - Madrid
Doctoral Thesis	Application of novel technologies for the development of next generation MR compatible PET inserts Sobresaliente (outstanding), Cum laude
September 2003 -March 2011	**National Technical University of Athens** (**NTUA**) School of Electrical and Computer Engineering, MSc equivalent Diploma www.ntua.gr/, Iroon Polytechniou 9, 15780, Zografou, Attiki, Greece
Major	Electronics, electronic design, telecommunications
Diploma Thesis	RF DDS Control Module for the 200 MHz Cavities of the CERN Proton Synchrotron (10/10)
GPA	7.42/10