
Grigorios Proiskos

(+30)6979967409

Kyprou 20, Vrillissia Greece

gregorismpr@gmail.com

<https://www.linkedin.com/in/grigoris-proiskos-6a55b2160/>

EDUCATION

-2012-2019 University of Patras, Greece

-MSc in Electrical and Computer Engineering

-Bachelor of Science in Electrical and Computer Engineering

DIPLOMA THESIS

2016 – 2018 FPGA assisted Power Electronics transient Simulation

- Modeling the elements of a Smart Grid using Matlab and Simulink
- Development of the digital models of the components of a Distribution Grid , using VHDL
- Specific customizations in the circuit models of the components, in order to capture the real time transient phenomena
- Use of the Parallelism of the FPGA, according to algorithm's flow dependency in order to have a real time transient analysis
- Compare the FPGA results with results from Matlab and Simulink

PUBLICATIONS

- **FPGA-Assisted Distribution Grid Simulator**, 14th international Symposium on Applied Reconfigurable Computing-ARC(May 2018)
- **Computational Efficient Representation of Energy Grid-Cyber Physical System**(1st IEEE International Conference on Cyber Physical Systems-ICPS(May 2018)

UNIVERSITY COURSE PROJECTS

2013 INTRODUCTION TO COMPUTERS (PYTHON)

- Implementation of a programming calculator in Python

2014 [AUTOMATIC CONTROL SYSTEMS](#) :

- Implementation of a transfer function with analogue amplifiers and simulation in MATLAB

2015 [DIGITAL CONTROL SYSTEMS](#):

- Implementation of a transfer function with analogue amplifiers and Arduino Uno and simulation in MATLAB

2015 [DIGITAL INTEGRATED CIRCUITS & SYSTEMS](#) :

- Implementation of logic gates in SPICE

2016 [ADVANCED TOPICS IN INFORMATION THEORY](#)

- Simulation of a Nakagami and Rician fading channel

2016 DESIGN OF INTEGRATED SYSTEMS USING VLSI METHODS

- Implementation in vhdl of Feal NX, Fast Data Encipherment Algorithm

2016 *FIBER TO THE HOME NETWORK*

Study and design of a fiber to the home network for a specific area(Syros island)

2017 *DIGITAL CONTROL AT LINEAR NOT LINEAR SYSTEMS*

- Digital control at a dc engine(linear system) and at a magnetically suspended ball(non linear system) using MATLAB

2017 *ADVANCED DIGITAL CIRCUITS & SYSTEMS TECHNOLOGY*

- Design of an Inverter driver that drives cmos gates of specific fan-out through a 10cm transmission line of known features and losses, using Lt spice

WORK EXPERIENCE

-March 2020-Present Junior Associate Researcher at MICROLAB at National Technical University of Athens

General Interests-Skills

- Familiar with Digital and Analog Integrated Circuits at the levels of study and Design
- Interested in Artificial Intelligence applications such as Machine learning algorithms
- Background in Electromagnetic Fields & Microwaves
- Study of Digital Communications, Access Communications and Advanced topics of Information Theory
- Programming background including labs in Python, C, C++
- Analyzing of Wireless Transmissions, Wireless Networks and Mobile Communication Networks
- Strong background in Design of Integrated Systems using VHDL and testing in FPGAs
- Demonstrated the ability to work under pressure via the successful submission of challenging coursework reports on time

Other SKILLS

Software-Hardware

- MATLAB, Spice, Python, VHDL, C, C++, Autodesk Inventor, Mathematica, FPGA, modelsim, Ise design suite

Computer use

- Microsoft office, ECDL certification

Languages

- English, fluent
- Greek, native
- German, intermediate

ADDITIONAL INTERESTS

- Machine learning technologies
- Cyber Physical Systems
- Edge and cloud computing
- Blockchain technology

HOBBIES AND OTHER SKILLS

- Scuba diving, Soccer, Basketball
- Guitar and piano playing
- Driving license

REFERENCES

Available on request