

# Charalampos Marantos

PhD Electrical and Computer Engineer, NTUA

## Personal Data

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Place and Date of Birth: Athens | 11 August 1992  
Current city: Athens, Greece  
email: [harmaras92@gmail.com](mailto:harmaras92@gmail.com) | [hmarantos@microlab.ntua.gr](mailto:hmarantos@microlab.ntua.gr)  
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## Work Experience

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- Sep 2016-Present | **National Technical University of Athens**
- May 2021-Present | **Freelance Computer Engineer in INNOMED-UP Project**
- Sep 2016-Present | **Research Assistant in Microprocessors and Digital Systems Lab**
- Research
  - Scientific Papers writing and reviewing
  - Master Thesis supervising
  - Oral Presentations in workshops and seminars
  - Proposals writing
- Reference: [Prof. Dimitrios Soudris](#)
- Jan 2019-Jan 2021 | **Systems Administrator in Microprocessors and Digital Systems Lab**
- Linux servers administration (network configuration, users, dockers, VMs)
  - License managing
  - Purchasing, setting up and maintaining equipment
- Nov 2016-Jul 2021 | **Institute of Communication and Computer Systems (ICCS)**
- Jan 2021-Jul 2021 | **Developer in EXA2PRO EU project**
- Applications optimization (e.g. Loop transformations)
  - Website building and maintaining (WordPress)
- More information: [EXA2PRO website](#)
- Mar 2018-Dec 2020 | **Research Associate and Computer Engineer in SDK4ED EU project**
- Energy efficient and High Performance computing (C/C++, GPU)
  - Source code profiling and optimizations (C/C++, assembly, Valgrind, Perf, Linux)
  - Applications developing (C/C++, Java)
  - Back-end APIs Development (Python, Docker)
  - Project Deliverables and Technical Reports Writing
- More information: [SDK4ED website](#)
- Nov 2016-Feb 2019 | **Local Assistant Manager in FabSpace 2.0**
- Events organizing and supporting (open days, hackathons, competitions)
  - Technical Trainings and Education
  - Dissemination and Management
- More information: [Fabspace 2.0 website](#)

## Education

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- 2017 - 2022 | **PhD in *Electrical and Computer Engineering***  
*National Technical University of Athens*
- Title: Design Methodologies and Tools for Energy-aware IoT-based Applications
- 2010 - 2016 | **Diploma (Master equivalent) in *Electrical and Computer Engineering***  
*National Technical University of Athens*
- Degree: 7.96 / 10
  - Thesis: Energy and Thermal comfort Management using Embedded Smart Thermostats

## Additional Experience

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2017 - Present	Presentation and <i>Public Speaking</i> in more than 10 Meetings and International Conferences <i>Reviewer</i> or Sub-reviewer in International Journal, Conference and Workshop Papers <i>Teaching Assistant</i> in Microprocessors Lab, NTUA <i>Co-advisor</i> in Master Thesis (IoT, Machine Learning, Embedded Systems)
25-26 May 2018	<i>Hackathon Mentor (Technical)</i> in ActInSpace Greece 2018
12-13 Oct 2018	<i>Hackathon Mentor (Technical)</i> in Copernicus Hackathon 2018, Greece

## Skills

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General:	Programming Event Planning	Coaching/Mentoring Presenting	Research Administration	Proposals Writing Technical Reports
Technologies:	Embedded Systems	Machine Learning	Internet of Things	Linux
Tools:	C/C++ SQL Assembly Pfsense	Matlab LaTex Bash Wordpress	Python HTML/CSS Arduino VMs	Java Git Docker Office

## Licenses & Certifications

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21 Oct 2022 | Professional Scrum Master™ I (PSM I by [scrum.org](https://www.scrum.org))

## Further Education / Seminars

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8-14 July 2018	HiPeac ACACES Summer School in <i>Fiuggi, Italy</i>
19-23 Sep 2016	2nd PANDORA Summer School in <i>Karlsruhe Institute of Technology</i>
15-29 May 2017	Hexagon Geospatial Remote Sensing and Photogrammetry Solutions, Copernicus data Processing in <i>GeoSystems Hellas, Thessaloniki, Greece</i>
14-25 Nov 2016	FabSpace Training in <i>Scop Arl Idgeo, Toulouse, FRANCE</i>

## Publications, Awards & Nominations

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- 7 *International Journal* Publications (IEEE, Elsevier)
- 14 *International Conference* Publications (IEEE, ACM)
- 1 *Book Chapter* Publication (Springer)
- More than 110 *Citations*, h-index 7 (Google Scholar)
- *Best Paper Award* in 12th International Green and Sustainable Computing Conference (IGSC 2021)
- 4 "*D. Thomaidi*" Awards of the National Technical University of Athens for publishing in peer-reviewed high-indexed journals and conferences 2017, 2018, 2019 and 2021
- *Nomination for Best Paper Award* in 11th International Conference on Modern Circuits and Systems Technologies (MOCASST) on Electronics and Communications

## Languages

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- *English*: Fluent
- *Greek*: Mothertongue
- *German*: Basic Knowledge