

ALINA EQTAMI, PHD

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SUMMARY

Assistant Professor (Tenure Track) & Mech. Engineer with expertise in Control Systems and Robotics. Specifically, research interests are: Control of Cyber-Physical Systems, Linear, Nonlinear, and Robust Control, Event-Based Control and Control of Large Scale Systems, Control Applications on Medical Robots as well as on Aerial, Mobile & Underwater vehicles and finally, Formal Methods.

EDUCATION

- PhD in Automatic Control and Robotics, National Technical University of Athens (NTUA), Greece, 2013.
- MEng, in Mechanical Engineering, National Technical University of Athens (NTUA), Greece, 2004.

PROFESSIONAL AND RESEARCH EXPERIENCE

Hellenic Mediterranean University <i>Assistant Professor Tenure Track</i> Hellenic Aerospace Industry S.A. <i>Control Systems Engineer</i>	Heraklion, Greece <i>2025 to present</i> Tanagra, Greece <i>2023 to 2025</i>
<ul style="list-style-type: none">• Working on a project for a new hybrid UAV named "Archytas" as a control systems engineer.	

University of Cyprus & University of Thessaly <i>Research Engineer</i>	Nicosia, Cyprus <i>2021 to 2022</i>
<ul style="list-style-type: none">• Worked on the control scheme for Safe, Efficient and Integrated Indoor Robotic Fleet for Logistic Applications in Healthcare and Commercial Spaces under the EU project "ENDORSE" (Grant agreement ID: 823887), as a control systems research engineer.	

École CentraleSupélec - Université Paris-Sud - CNRS <i>Research Engineer</i>	Paris, France <i>2017 to 2019</i>
<ul style="list-style-type: none">• I had been working on a methodology for designing controllers for transition systems ensuring that they will fulfill some objectives (specifications). This research is partially under the research project Labex, DigiCosme (project ANR-11-LABEX-0045-DIGICOSME) as well as part of the European Research Council (ERC) under the European Union's Horizon 2020, research and innovation program (grant agreement No 725144).	

Harvard University, Harvard Medical School <i>Research Engineer</i>	Boston, MA, USA <i>2013 to 2015</i>
<ul style="list-style-type: none">• I worked on controlling multiple MRI-powered actuators as well as multiple magnetic capsules through clinical MRIs. The research took place under the research project "NRI-Small: Core Technologies for MRI-Powered Robots". NRI 2014 -IIS-1208509.	

AWARDS & SCHOLASHIPS

- State Scholarship Foundation (IKY). Awarded a scholarship for post-graduate research.
- Thomaidion Award for Scientific Publications for three consecutive years (2010-2012), National Technical University of Athens.

CERTIFICATIONS

I have been granted several certifications. Some examples are the following:

- Institute of Education and Training Technical Members Chamber of Greece: Financial Evaluation of Energy Saving Interventions, Athens, 2008.
- Hellenic Open University: Construction Management (CM). Attendance and successfully fulfilling the requirements of "Principles of Organization and Project Management" of the postgraduate program, Athens, 2009.

WORKSHOPS & PRESENTATIONS

I have participated in several workshops and given numerous presentations. Some examples are the following:

- European Embedded Control Institute: "Formal Methods in Control Design, **Paris, France**, 2019.
- IFAC Conference on Analysis and Design of Hybrid Systems. Presentation of one paper. **Oxford, UK**, 2018.
- Cyber Physical Systems Week, Presentation. **Porto, Portugal**, 2018.
- Invitation to ETH Zürich. Presentation of my work on medical robots. **Zurich, Switzerland**, 2016.
- IEEE/RSJ International Conference on Intelligent Robots and Systems. Presentation of a paper. **Hamburg, Germany**, 2015.
- IEEE/RSJ International Conference on Intelligent Robots and Systems. Presentation of a paper. **Chicago IL, USA**, 2014.
- Workshop on the Control of Cyber-Physical Systems, London CPS Workshop. **London, UK**, 2012.
- IEEE Conference on Decision and Control. Presentation of a paper. **Maui HI, USA**, 2012.

PUBLICATIONS

More than 18 publications on IEEE journals and conferences. According to Google Scholar, the aforementioned publications have been cited **1069** times by other researchers: h-index 13. (Updated Feb 2024).