

anagnostaras.p@gmail.com

Linkedin Account

<b>CURRENT POSITION</b>	<i>Robotics Software Engineer</i> <a href="#">Kemaro AG</a> , Eschlikon, Switzerland	8/2023-Present
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| <b>EDUCATION</b> | <i>Master of Science, Robotics, Systems and Control</i><br>ETH Zurich, Switzerland | 9/2020-5/2023 |
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- Diploma (five-year integrated master), Mechanical Engineering  
Aristotle University of Thessaloniki, Greece

- **GPA:** 8.66/10 (above 8.5/10 is a distinction)
- **Diploma Thesis:** "Co-simulation of optimal control and dynamic analysis applied to a quadcopter" at the [Machine Dynamics Laboratory](#) supervised by Prof. S. Natsiavas  
Brief: Complete system analysis (vibrations, stresses, topology optimization, controller performance applied to a quadcopter)  
Grade: 10/10  
Keywords: modal analysis, topology optimization, LQR control  
Tools: Altair's suite (Optistruct, MotionSolve, Activate)
- **Specialization:** Design and Structures
- **Core courses:** Dynamics, Controls, Numerical Methods, FEM, Mechanical Design, CAD-CAE

PREVIOUS POSITIONS	<i>Research and Development Intern</i> <a href="#">Hitachi Energy</a> , Zurich, Switzerland	11/2021-7/2022
	<ul style="list-style-type: none"> <li>• Responsible for mechanical and system simulations</li> <li>• Development of Python and Dymola based, in-house tools for the simulation of high voltage circuit breakers</li> <li>• Development of Python tools for the visualization and analysis of lab measurements</li> <li>• Introducing and motivating the use of neural networks to the team</li> <li>• <u>Tools</u>: Python, Dymola, Excel, Git</li> </ul>	
	<i>Industrial Mechanical Engineer Intern</i> <a href="#">Karelia Tobacco Company</a> , Kalamata, Greece	7/2018-9/2018
	<ul style="list-style-type: none"> <li>• Rotation through the different departments</li> <li>• Assisting technicians in the production line</li> </ul>	
PUBLICATIONS	Parsi A., <b>Anagnostaras P.</b> , Iannelli A., Smith R. S. "Computationally efficient robust MPC using optimized constraint tightening", 61st IEEE Conference on Decision and Control, <a href="#">arxiv link</a> .	
LANGUAGES	<ul style="list-style-type: none"> <li>• English: excellent, C2 Proficiency (Cambridge University, 2016), IELTS 7.5/9 (2019)</li> <li>• German: low, B1 Goethe Zertifikat (2011), actively learning</li> <li>• Greek: mother tongue</li> </ul>	
AWARDS	<ul style="list-style-type: none"> <li>• General Arnautis Foundation scholarship, 2020: scholarship for postgraduate studies at ETH</li> <li>• Reciprocal scholarship, 2017: Department of mechanical engineering AUTH for my academic performance</li> <li>• Scholarships, 2017: Two scholarships for my performance at national university entrance exams (19.603/20.000, &lt;1%)</li> </ul>	
SOFTWARE TOOLS	C++, Python, ROS, Matlab, Git, Latex	
MILITARY SERVICE	Nine-month mandatory military service in Greek Army, Technical Corps	10/2019-7/2020
REFERENCES	<ul style="list-style-type: none"> <li>• Hitachi Energy</li> <li>• Prof. Marco Hutter</li> </ul>	