

Ektor Karyotakis

Mechanical Engineer | MSc in
Automotive Engineering

Chalmers University • Volvo Cars



Personal Details

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About Me

A motivated and innovative engineer specialized in Automotive applications. A hard-working team player who likes to take initiative in times of need. Focused in Vehicle Dynamics and complete vehicle simulations with Matlab/Simulink.

Employment

- 07/2019 – 09/2020 **Research/Project Assistant**
Chalmers University of Technology & Fraunhofer Chalmers Centre
Description: The main project I am currently working on is about maximizing recuperation in an electric vehicle, while maintaining stability. A normal day includes computer simulations in MATLAB, hand calculations, and report writing in LaTeX/Word.
- 01/2019 – 05/2019 **Master Thesis Worker**
Volvo Cars
Title: Asymmetry Mitigation by Steering
Description: Function development. Straight-line deviation compensation. Modeling and robust vehicle steering control through the EPS system. Validation through CarMaker full vehicle simulations.

Education

- 08/2017 – 06/2019 **M.Sc. – Automotive Engineering**
Chalmers University of Technology
Relevant Courses: Vehicle Dynamics I & II; Robust Control
- 10/2009 – 07/2016 **Diploma of Mechanical Engineering, Grade: 7.32/10**
Aristotle University of Thessaloniki, Greece
(5-year degree; 300 ECTS)

Student Projects

- 09/2018 - 12/2018 **Design Engineer**
Pedal Robot: Automotive Engineering Project - Chalmers

Description: Got involved in the design & manufacture of a pedal robot as a part of a course in Chalmers, for the lab of REVERE. The pedal robot can be installed in a variety of vehicles and is able to control the brake and throttle pedals.
- 10/2012 - 10/2014 **Frame Manager – Design Engineer**
Aristotle University's Formula Student Team

Responsibilities:
 - Project management - As the leader of a small subgroup, made the deadlines and monitored the performance of the team along with the other managers
 - Development and optimization of the Frame of the vehicle in terms of durability, ease of construction and packaging.

Computer Skills

Programming	MATLAB / Simulink	☆☆☆☆☆
CAE	CarMaker	☆☆☆☆

Language

- English Professional
- German Good
- Swedish Basic – Progressing
- Japanese Basic
- Greek Native

Other

- Driving License Category B
- 1st place Tennis - Regional School Tournament '05 & '06