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Theofanis Tsiantas

MSc Mechanical Engineer, ETH Zurich
Dipl. Engineer, NTUA Athens

Short bio

Mr Tsiantas holds a diploma (5-years study program) and a master's degree in mechanical engineering from the National Technical University of Athens (NTUA) and the Swiss Federal Institute of Technology (ETHZ) respectively. Since the start of his professional journey in 2017 he has consistently focused on numerical simulation, developing various simulation software. He has proven experience with C++, Python, C#, agile software development, code-testing and validation. An advocate of continuous learning he regularly attends Computer Science courses at the Zurich University of Applied Sciences (ZHAW). He has a passion for clean programming, creativity and algorithms.

Experience

05.2022 - current **Software engineer**
KISSsoft AG, Switzerland
Programing of structural simulation software (C++)

11.2017-03.2022 **Development engineer**
SULZER AG, Switzerland
Structural simulation, programing of numerical tools (C#, Python)

02.2017-09.2017 **Teaching assistant**
Institute of Mechanics, ETH Zurich

08.2015-02.2016 **Research assistant**
Laboratory of Aerodynamics, NTUA Athens

Education

09.2021-01.2022 **Certificate of Advanced studies: Object oriented programing**
Zurich University of Applied Sciences (ZHAW)
Grade: 5.75/6.00

02.2016-09.2017 **Masters in Mechanical Engineering**
Swiss Federal Institute of Technology (ETHZ)
Grade: 5.89/6.00

09.2010-07.2015 **Diploma in Mechanical Engineering**
National Technical University of Athens (NTUA)
Grade: 9.1/10

Honors

June 2018 **ETH Silver Medal (Swiss Federal Institute of Technology)**
Exceptional Master Thesis

July 2016 **NTUA Silver Medal (National Technical University of Athens)**
Graduation ranking: 3rd/194 graduates

Lectures

KISSsoft AG	**2022, 2023, 2024** Trainer – Mechanics (30 - 200 participants)
SULZER AG	**2022** Trainer – Dynamics (50 participants)
ETH Zurich	**2019, 2021, 2022** Guest lecturer – Mechanics (~25 participants)

Publications

2016	Assessment of fatigue load alleviation potential through blade trailing edge morphing, TORQUE Conference, Munich
	Benchmarking aerodynamic prediction of unsteady rotor aerodynamics of active flaps on wind turbine blades using ranging fidelity tools, TORQUE Conference, Munich
2015	Evaluation of the performance of a Navier-Stokes and a viscous-interaction solver in trailing edge flap simulations, EWEA Conference, Paris

Languages

Greek	Native language
English	Fluent (C2)
German	Fluent (C1)