

MSc Theofanis Tsiantas



Date of birth 14 Dec 1992

Nationality Greek

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Languages

Greek (mother tongue)

English (fluent - C2)

German (fluent - C1)

PROFESSIONAL EXPERIENCE

05.2022 - Current	Software Developer - FEA Expert , <i>KISSsoft AG, Switzerland</i> Specialization: FEM, C++
11.2017 - 03.2022	Development Engineer - Structural simulation specialist , <i>Sulzer AG, Switzerland</i> Department: Mechanical Integrity (Statics / Dynamics / Vibration / Fatigue / Thermal) Specialization: FEM, Rotor dynamics
02.2017 - 09.2017	Teaching Assistant , <i>ETH Zurich, Switzerland</i> Topics: Structural Analysis, Lightweight Structures, FEM, Stability Courses: Aircraft Structures, Case Studies in Computed Aided Engineering
08.2015 - 02.2016	Research Assistant , <i>Laboratory of Aerodynamics, NTUA, Greece</i> Topics: Aeroelasticity, Aerodynamics, Control Research results: 3 Publications in international conferences (see below)

ACADEMIC EDUCATION

09.2021 - 01.2022	Certificate of advanced studies (CAS) in Object Oriented Programming <i>Zürcher Hochschule für Angewandte Wissenschaften (ZHAW), Zurich, Switzerland</i> Final Grade: 5.75/6.00
02.2016 - 09.2017	Masters in Mechanical Engineering <i>Swiss Federal Institute of Technology (ETH), Zurich, Switzerland</i> Final Grade: 5.89/6.00
09.2010 - 07.2015	Diploma in Mechanical Engineering <i>National Technical University of Athens (NTUA), Athens, Greece</i> Final Grade: 9.1/10

VISITED COURSES

01-03 Sep 2021	Siemens NX Open Customization - Advanced , <i>Winterthur, Switzerland</i>
22-26 Jul 2019	Siemens NX Open Customization - Basics , <i>Portland, USA</i>
24-26 Jun 2019	ASME DbA MC121 course , <i>Copenhagen, Denmark</i>
31 Jan 2019	Materialmodelle: Schlüssel für erfolgreiche FEM-Analysen , <i>Rapperswill, Switzerland</i>
27-29 Aug 2018	Granta MI training for Siemens Simcenter Integration , <i>Winterthur, Switzerland</i>

April - May 2018

Siemens Simcenter FEA training for NX NASTRAN, Zurich, Switzerland

PROVIDED TRAININGS

14 Jun 2023	WebDemo KISSsoft AG, Modeling of gear body stiffness (~ 200 participants globally)
12 Dec 2022	Training at KISSsoft AG, Rotordynamics of bearings and seals (~ 30 participants)
19 Sep 2022	Training at KISSsoft AG, Unbalance excitation calculations (~ 30 participants)
13 Jul 2022	Training at KISSsoft AG, Dynamics of shafts, bearings, pressure seals (~ 30 participants)
06 Jul 2022	Training at KISSsoft AG, Lateral rotordynamics with FEM (~ 30 participants)
23 May 2022	Guest Lecturer ETHZ, Lateral rotordynamics (~ 20 participants)
Sep-Oct 2021	4-Week Seminar SULZER AG, Lateral, Torsional rotordynamics (~ 50 engineers globally)
03 May 2021	Guest Lecturer ETHZ, Lateral rotordynamics (~ 25 participants)
15 Apr 2019	Guest Lecturer ETHZ, FEM Modeling of pressure vessels (~ 25 participants)

AWARDS & SCHOLARSHIPS

06.2018	ETH Silver Medal for exceptional Master Thesis - Department of Mechanical Engineering
09.2017	Technical Chamber of Greece award for outstanding academic course
09.2016/17	Onassis foundation scholarship for Master studies in Mechanical Engineering at ETHZ
07.2016	NTUA Silver Medal for top graduation ranking: 3 rd /194 graduates (Diploma studies)
12.2015	Limmat Stiftung prize (Switzerland) for exceptional Diploma performance
07.2015	Thomaidio award for top performance results of academic year 2013-2014
07.2014	Sarafis legacy for highest annual GPA

PUBLICATIONS IN CONFERENCES

10.2016	Assessment of fatigue load alleviation potential through blade trailing edge morphing, <i>TORQUE Conference, Munich</i>
10.2016	Benchmarking aerodynamic prediction of unsteady rotor aerodynamics of active flaps on wind turbine blades using ranging fidelity tools, <i>TORQUE Conference, Munich</i>
11.2015	Evaluation of the performance of a Navier-Stokes and a viscous-interaction solver in trailing edge flap simulations, <i>EWEA Conference, Paris</i>

COMPUTER SKILLS

Engineering	ANSYS APDL/WB, Solidworks, Siemens NX, NASTRAN, MADYN
Programming	C++, C, C#, Python, Matlab, Fortran
Prog. libraries	CM2 (CAE), Parasolid (CAD)
Documentation	MS-Office, Latex, Lyx, i-Work