MSc Theofanis Tsiantas

Date of birth	14 Dec 1992	**Languages**	
Nationality	Greek	Greek (mother tongue)	
Phone number	+41 76 230 62 14	English (fluent - C2)	
E mail	th.tsiantas@icloud.com	German (fluent - C2)	

PROFESSIONAL EXPERIENCE

05.2022 - Current	**Software Developer - Structural simulation,** *KISSsoft AG, Switzerland* **Responsibilities:** Programmer, Project Manager **Specialization:** FEM, Software integration and testing
11.2017 - 03.2022	**Development Engineer - Structural simulation specialist,** *Sulzer AG, Switzerland* **Department:** Mechanical Integrity (Statics / Dynamics / Vibration / Fatigue / Thermal) **Specialization:** FEM, Rotor dynamics, Training engineers globally
02.2017 - 09.2017	**Teaching Assistant,** *ETH Zurich, Switzerland* **Fields:** Structural Analysis, Lightweight Structures, FEM, Stability **Courses:** Aircraft Structures, Case Studies in Computed Aided Engineering
08.2015 - 02.2016	**Research Assistant,** *Laboratory of Aerodynamics, NTUA, Greece* **Fields:** 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** *Zürcher Hochschule für Angewandte Wissenschaften (ZHAW), Zurich, Switzerland* Final Grade: 5.75/6.00
02.2016 - 09.2017	**Masters in Mechanical Engineering** *Swiss Federal Institute of Technology (ETH), Zurich, Switzerland* Final Grade: 5.89/6.00
09.2010 - 07.2015	**Diploma in Mechanical Engineering** *National Technical University of Athens (NTUA), Athens, Greece* Final Grade: 9.1/10

VISITED TRAININGS/SEMINARS

01-03 Sep 2021	**Simens NX Open Customization - Advanced,** *Winterthur, Switzerland*
22-26 Jul 2019	**Simens NX Open Customization - Basics,** *Portland, USA*
24-26 Jun 2019	**ASME DbA MC121 course,** *Copenhagen, Denmark*

31 Jan 2019	**Materialmodelle: Schlüssel für erfolgreiche FEM-Analysen**, *Rapperswill, Switzerland*
27-29 Aug 2018	**Granta MI** training for Siemens Simcenter Integration, *Winterthur, Switzerland*
April - May 2018	**Siemens Simcenter** FEA training for NX NASTRAN, *Zurich, Switzerland*

PROVIDED TRAININGS/SEMINARS

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
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: 3rd/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, *TORQUE Conference, Munich*
10.2016	Benchmarking aerodynamic prediction of unsteady rotor aerodynamics of active flaps on wind turbine blades using ranging fidelity tools, *TORQUE Conference, Munich*
11.2015	Evaluation of the performance of a Navier-Stokes and a viscous-interaction solver in trailing edge flap simulations, *EWEA Conference, Paris*

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