CARRICULUM VITAE – A. P. VASSILOPOULOS

- Name: Anastasios P. Vassilopoulos
- Nationality: Greek/Swiss
- Date of birth: 1st September 1972
- Marital status: Married, 2 children

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Summary of qualifications and work experience

2024 – today: Director, Composites Mechanics Group (GR-MeC), EPFL
2021 – Today: Adjunct Professor, ENAC/EPFL
2012-2021: Senior Scientist (MER), Composite Construction Laboratory, EPFL
2006 – 2012: Research and Teaching Associate, Composite Construction Laboratory, EPFL
2002 – 2006: Assistant Professor: Technological Educational Institute (HES) of Patras
2001 – 2003: Post-doctoral associate, "Fatigue design of wind turbine rotor blades", Dept. Mechanical Engineering and Aeronautics, University of Patras, Greece
2001: Dr Mechanical Engineer, Doctoral thesis in "Fatigue of composite materials under complex stress states" from the Dept. Mechanical Engineering and Aeronautics, University of Patras, Greece
1995: Dipl. Mechanical Engineer, Dept. Mechanical Engineering and Aeronautics, University of Patras, Greece

Education

1990 – 1995: Graduate student, Dept. Mechanical Engineering and Aeronautics, University of Patras, Greece. Receive the title of Dipl. Mechanical Engineer in 1995.
October 1994-January 1995: Dept. Mechanical Engineering, University of Bristol, U.K.
1996 – 2000: Research assistant and PhD candidate, Dept. Mechanical Engineering and Aeronautics, University of Patras, Greece. Member of the scientific teams of several research projects.

Teaching activities (@EPFL)

Civil 238-Bachelors: Structural mechanics, PENS229-Bachelors: Floating renewables, Civil 464-Masters: Composites design and innovation, Civil 443-Masters: Advanced Composites in Engineering Structures, Civil 705-Doctoral: Selected topics on advanced composites in engineering structures

Supervision of junior researchers (@ EPFL)

Supervisor/co-supervisor of 19 PhD Theses (3 on going, 16 finished), 4 Post Doc associates (2013, 2015, 2019, 2025), 18 finished Master Theses at EPFL, around 60 semester/lab projects.

Activities at the ENAC level

- Director of the Doctoral Program in Civil and Environmental Engineering (EDCE/EPFL)
- Teaching committee of Civil Engineering - Member
- Structural Engineering Group GIS GE - Steering Committee
- ENAC IT committee
- ENAC School Council - Member

Scientific – research interests

- Experimental investigation of the quasi-static and fatigue behavior of composites for infrastructure
- Durability of structural adhesives
- Design for modularity and recyclability of sustainable engineering structures
- Digitalization of the civil infrastructure industry
- Development of fatigue life prediction methodologies for composite materials used in wind energy
- Innovative concepts and designs, additive manufacturing

Leading research projects

- 1995-2003: Researcher in National and European research projects (**ΕΠΕΤ ΙΙ, #573** "Development of Greek technology for wind turbines 400-500 kW", (1995-1999), **"SMT, European Wind Turbine Testing Procedures & Development. Task 2: Blade Test Methods and Techniques"**, (1998), **"AEGIS"**, "Acoustic emission proof testing and damage assessment of wind turbine blades", (1999-2001), **"ADUPTURB"**, "Adaptation of existing wind turbines for operation on high wind speed complex terrain sites; kWh cost reduction", (1999-2001), **"DAMPBLADE"**, "Wind turbine rotor blades for enhanced aeroelastic stability and fatigue life using passively damped composites", (2000-2003), **"OPTIMAT BLADES",** "Reliable optimal use of materials for wind turbine rotor blades", (2002- 2004)
- 2004-2006: **PI** "**PYTHAGORAS II**", Strengthening of research teams in Universities "Fatigue life prediction of structures made of composite materials and loaded under complex, irregular, stress states" (2004-2006)
- 2006-2025: **PI and co-PI in 6 SNSF projects** related to fatigue performance of composite materials, adhesives and adhesively bonded joints under mechanical and thermomechanical loading conditions.
- 2008-2018: **Co-PI in 4 Innosuisse (CTI) projects** related to composite products (Thermal bridges, CFRP anchors, composite bridge decks)
- **Vice-chair** and Swiss delegate at the management committee: of the COST action CA18120 "Reliable roadmap for certification of bonded primary structures" 2019-2023 (see https://certbond.eu/)

Publication track record (Scopus ID 6601942986, h-index=40)

- 4 Books, 130 ISI journal articles, 21 book chapters, 85 Conference papers, 2 patent applications,
- More than 4600 citations on scopus

Professional – international community activities

- Editorial board of the
    - International Journal of Fatigue, Elsevier
    - Journal of Reinforced Plastic and Composites, SAGE
    - the ESIS Publishing House, European Structural Integrity Society,
- Guest Editor in Engineering Fracture Mechanics – Special issue Virtual School, 9th ESIS TC4 conference
- Reviewer for several International Journals in the field of mechanics of structures and materials
- Expert external reviewer for funding bodies around Europe, including the Swiss National Science Foundation (**SNSF**), the Research Foundation Flanders (**FWO**), Dutch Research Council (**NWO**), the Ministry of Education and Research, Romania (**UEFISCDI**), the Central Finance and Contracting Agency of the Republic of Latvia (**CFLA**), The Ministry of Education, Lifelong Learning and Religious Affairs, Greece (**YPEPTH**), the General Secretariat of Research and Technology, Greece (**GSRT**), The Greek State Scholarship Foundation (**IKY**), The European **M-ERA.NET,** The Austrian Promotion Innovation Agency **(FFG)**, among others.

Member of scientific societies/Networks:

- **President** of the European Society of Composite Materials (ESCM) (2022-2024)
- **Member:** Technical committee TC4- Polymers, polymer composites and adhesives of the European Structural Integrity Society (ESIS)
- **Chairman** of the 20th European Conference on Composite Materials, 2022, Lausanne
- **Member:** Technical Chamber of Greece (TEE)

Patents-technology transfer

- In January 2021 Prof. Vassilopoulos filed the patent application EP21154434.1 "CLIP CONNECTOR DEVICE AND USES THEREOF" with Mr. Romain van Wassenhove (Master student) aiming at the valorization of the idea developed during the Master Thesis of Romain for a new connection system for sustainable engineering structures.
- In September 2021 Prof. Vassilopoulos filed the patent application EP21198965.2 "FLOATING PLATFORM FOR A WIND TURBINE" as a sole inventor disclosing the idea for a novel floating offshore platform for wind turbines based on bio-based composite materials.