

CURRICULUM VITAE



PERSONAL DETAILS:

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| FAMILY NAME: | MASMANIDIS |
| GIVEN NAME: | IODANIS |
| DATE OF BIRTH: | May 15 th , 1982 |
| PLACE OF BIRTH: | Patras, Greece |
| MARITAL STATUS: | Married – 2 children |
| ADDRESS: | Parodos Eolou 38/5 |
| E-mail: | imasman@mech.upatras.gr |
| Telephone numbers: | +30 2610969451 +30 6948688261 |

EDUCATION:

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| 2006-present | PhD candidate, department of Mechanical Engineering & Aeronautics, University of Patras, under the supervision of Ass. Prof. T. Philippidis. Dissertation: “Development of numerical models for the study of progressive damage in structural parts made by composite materials” |
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| 2005 | Degree in mechanical engineering & aeronautics, Dip. Eng. |
| 2000-2005 | Undergraduate studies in mechanical engineering & aeronautics, Patras |
| 2000 | Diploma, Experimental high-school of Patras |

FOREIGN LANGUAGES:

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| English | Fluent verbal skills, excellent writing Cambridge certificate of proficiency in English |
| German | Basic level Zertifikat Deutch |

COMPUTING SKILLS:

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| Common tools | MS Windows, Linux, Word, PowerPoint, Outlook |
| Spreadsheets | Excel , Origin |
| Programming & calculus | Matlab, Fortran, LISP, APDL |
| FEA | ANSYS, PATRAN, VABS |
| In-house codes | ROBUST (software for analysis of composite rotor blades) |
| Data acquisition | Catman |
| Engineering design | AutoCAD |

ENGINEERING SKILLS:

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| Experienced user of engineering equipment | MTS & Dennison-Mayes test machines, 407 MTS controller HBM Spider8 data acquisition device |
| Testing | Great experience in mechanical characterization of composites/metals Full competence in static, constant and variable amplitude fatigue Strain measurements (strain & clip gauges) Application of international standards Specimen preparation, bonding of tabs and strain-gauges, soldering |

RESEARCH AREA, CONFERENCES & PUBLICATIONS:

- 2012 I. T. Masmanidis, T. P. Philippidis, 'Stress analysis and failure prediction of bonded repair in rotor blades' DURACOSYS 2012 Conference Brussels, Belgium.
- 2006 G.C. Papanicolaou, N.K. Anifantis, J. T. Masmanidis, Th. V. Kosmidou, 'Stress Analysis Of Particulate-Reinforced Polymers By Means Of The Concept Of Hybrid Interphase' MCM 2006 Conference May 2006 Riga, Latvia.
- 2005 Master thesis: Stress Analysis Of Particulate-Reinforced Polymers By Means Of The Concept Of Hybrid Interphase
- 2004 4th year thesis: Scaling effects in notched composites

WORKING EXPERIENCE IN ENGINEERING:

- 2012-present Research work in the frame of EC and national co-funded project REWIND (Validated design rules for REpair of WIND turbine rotor blades)
- 2012-present Research work in the frame of EC funded project InnWind (Innovative wind conversion systems (10-20MW) project for offshore wind power)
- 2011-present Research work for W/T blade repair enterprise COMPBLADES S.A. Testing and modeling joint configuration investigating rotor blade repair techniques
- 2006-2011 Research work in the frame of EC funded project UpWind (integrated wind turbine design)
- 2004-2005 Internship in the University of Sheffield under the supervision of Prof. Soutis in the frame of Leonardo Da Vinci program.
- 1999 Internship in local computer service store (Infosystem)

TEACHING EXPERIENCE:

- 11/2006 – 02/2007 Teaching of Multimedia for commercial artists at the 1st Public Institute of Professional Studies of Patras
- 11/2008 – 02/2009 Teaching of 2D modeling in AutoCad and Programming with SCRIPT at the 1st Public Institute of Professional Studies of Patras
- 02/2009 – 06/2009 Teaching of Programming with LISP at the 1st Public Institute of Professional Studies of Patras

OTHER INFORMATION:

Member of the technical chamber of Greece since 2006

PERSONAL QUALITIES:

- Very adaptive and quick to acquire new skills.
- Punctual
- Hearty and Honest

GENERAL ACTIVITIES:

- Snowboarding
- Tennis
- Basketball
- Swimming
- Reading

REFERENCES:

Ass. Prof. T.P. Philippidis

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Department of Mechanical Engineering & Aeronautics
University of Patras
GR-26504 Rio
Greece
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Prof. George Papanicolaou

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