Aristomenis Antoniadis

Curriculum Vitae

2023

1. Personal Data

Birthday:	December 16, 1960	Address:	Technical University Campus Kounoupidiana, 73130 Chania, Greece
Place of birth:	Athens	Email:	aantoniadis@tuc.gr
Citizenship:	Greek	Tel:	+30 28210 37293
Marriage status:	Married with two children		

2. Education

10.1978-3.1984 Aristotle's University of Thessaloniki, Dipl. Eng.

3.1984-3.1989 Aristotle's University of Thessaloniki, Ph.D.
Title of Thesis: Determination of the impact tool stresses during Gear Hobbing and determination of cutting forces during Hobbing of the hardened gears.

3. Principal Fields of Interest

All aspects of Manufacturing including Computer Numerical Control (CNC) and Computer Aided Design and Manufacturing (CAD/CAM). Simulation techniques of cutting processes. Wear of cutting tools. Finite Elements Method. Micromachining.

4. Academic positions

24.04.2008-today: Professor in the field of Production Systems at TUC – Dept. of Production Engineering & Management - Director of Micromachining & Manufacturing Modeling Lab.

1998-2008: Professor in the field of Manufacturing Engineering, CAD/CAM/ CAE and Director of Design and Manufacturing Laboratory DML at Technological Educational Institute of Crete.

1995-1998: Ast. Professor in the field of Manufacturing Engineering, CAD/CAM/ CAE and Director of Machine Tools Laboratory at Technological Educational Institute of Serres.

1991-1994: Lecturer at the Dept. Of Industrial Engineering of University of Thessaly in the field of Mechanical Drawing.

5. Teaching Experience

1984-today: Mechanical Drawing, Machine Tools, Manufacturing, CAD/CAM, Machine Elements, Metrology, Micromanufacturing, Manufacturing Modeling & Simulation by CAD/CAE systems

6. Publications

- 52 Journal Publications and Book Chapters
- 73 International Conference Publications – (2) Best Paper Award
- 21 National Conference Publications – (2) Medical Awards
- 9 Books
- >2000 Citations, h-index: 23

7. Projects

He has managed or participated in numerous **(>50)** R&D National and European funded research projects of which some of the most recent are:

2006 New Algorithms of Reverse Engineering and Applications in the Construction of Medical Implantations (funded by the Ministry of National Education and Religious Affairs).

2008 Scaffolds for Tissue Engineering by Rapid Prototyping and Electrospinning of Nanofibers (funded by Interreg IIIA/ Greece-Cyprus 2000-2006 Program).

2013 Development of New Cultural Heritage Products and Copies with the Use of Digitization and Micromanufacturing Technologies (funded by EYDE-ETAK Ministry of Research and Religious Education).

2015 Active Deformable micro-Cutters with Nano-Abrasives" (funded by EYDE-ETAK Ministry of Research and Religious Affairs).

2021 Smart Heat Exchanging Surfaces at Innovative and Highly Efficient Steam-Boiler (funded by Hellenic Republic of Ministry of Education, Lifelong Learning and Religious Affairs).

2022 Serious Game for Computer Aided Manufacturing" (funded by EYDE-ETAK Ministry of Research and Religious Affairs).