



**Academician Prof. Dr.-Ing. Dr.h.c. Prof.h.c.  
Athanasios G. Mamalis**

**Born:** 18 July 1941; Loutraki, Greece

**Children:** Alexandra

**1. Current Position:**

**Scientific Director:** “Project Center for Nanotechnology and Advanced Engineering (PC-NAE)”, a joint initiative of the Greek National Research Center for Scientific Research “Demokritos” and the Russian Research Center “Kurchatov Institute”;

**Emeritus Professor and Founder of the Laboratory of Manufacturing Technology;** National Technical University of Athens, Greece.

**2. Education Degrees**

**Graduated Mechanical and Electrical Engineer (Dipl.-Ing.):** National Technical University of Athens, Greece, 1959-1964;

**Master of Science (M.Sc.) in Mechanical Engineering:** The Victoria University of Manchester Institute of Science and Technology (UMIST), UK, 1972-1973;

**Doctor of Philosophy (Ph.D.) in Mechanical Engineering / Applied Mechanics:** The Victoria University of Manchester Institute of Science and Technology (UMIST), UK, 1973-1975.

### **3. Industrial Sector: Employment and Collaboration**

(> 50 years)

#### ***Chief Engineer / Technical Manager in Steel and Pipeworks Industry:***

Mannesmannröhren-Werke AG, Düsseldorf, Germany and Solinourgia Athinon Ltd, Athens, Greece, 1966-1972;

#### ***Technischer Berater:***

J. Banning Pressenfabrik A.G., Hamm, Westfalen, Germany, 1973-83;

#### ***National Representative:***

European Union, Commission of the European Communities, European Coal and Steel Community (ECSC) (CRT / CDT Committees), 1983-1997;

#### ***Cooperation in Research and Industrial Activities with:***

American-, British-, German-, European Union-, Japanese-, Chinese-, Ex Soviet Union Republics-, Russian-, Ukrainian-, Hungarian-, Greek-Industry, 1966-today.

### **4. Academic / Scientific Sector: Teaching and Research**

(> 50 years)

#### ***Part-Time Lecturer:***

Department of Mechanical Engineering, National Technical University of Athens, Greece, 1967-1972;

#### ***Visiting Professor:***

Department of Engineering University of Cambridge, UK, 1975-1978;

Universität Hannover, Institut für Fertigungstechnik und Spannende Werkzeugmaschinen (IFUM), Germany, 1978-1979;

RW Technische Hochschule Aachen, Laboratorium für Werkzeugmaschinen und Betriebslehre (WZL), Germany, 1979-1980;

Carleton University, Department of Mechanical and Aeronautical Engineering, Ottawa, Canada, 1980-1982.

#### ***Full Professor:***

Michigan Technological University, Department of Mechanical Engineering and Engineering Mechanics, Houghton, MI, USA, 1982-1992;

National Technical University of Athens, Professor and Head of Manufacturing Technology Division, Founder and Director of Laboratory of Manufacturing Technology (LMT), School of Mechanical Engineering, Greece, 1982-2008.

### ***Scientific Director:***

Project Center for Nanotechnology and Advanced Engineering (PC-NAE) (joint initiative of the Greek National Center for Scientific Research “Demokritos” and the Russian Research Center “Kurchatov Institute”), 2008- today.

## **5. Academic Degrees and Awards**

### ***Academician:***

Hungarian Academy of Sciences (Elected Member), 1998;

Ukraine Academy of Sciences (Academic NAUK) (Elected Member), 2000;

Euro Mediterranean Academy of Arts and Sciences (EMAAS) (Founding Member), 2010.

### ***Honorary Doctor (Dr.h.c.):***

National Technical University “Kharkov Polytechnic Institute”, Kharkov, Ukraine, 2006;

### ***Honorary Professor (Prof.h.c.):***

Department of Materials Cutting and Cutting Tools, National Technical University “Kharkov Polytechnic Institute”, Kharkov, Ukraine, 2001;

Faculty of Mechanical Engineering, University of Miskolc, Hungary, 2011.

### ***Awards:***

“M.F. Semko Metal”, High Ukrainian Prize, 2005;

First Prize, Greek Mathematical Society, 1959.

## **6. Fellowships / Memberships**

### ***Scientific Organizations:***

Certified Mechanical and Electrical Engineer, Technical Chamber of Greece (TEE), 1964;

British Cold Forging Group (BCFG), UK, 1976;

Verein Deutscher Ingenieure (VDI), Germany, 1977;

Verein Deutscher Eisenhüttenleute (VDEh), Germany, 1979;

American Society of Mechanical Engineers (ASME), USA, 1981;

International Union of Theoretical Applied Mechanics (IUTAM), 1981;

Society of Automotive Engineers (SAE), USA, 1982;

Society of Manufacturing Engineers (SME), USA, 1982;

The International Academy of Production Engineering (CIRP), 1982;  
International Cold Forging Group (ICFG), 1987;  
Superconductivity Society (Founder and Chairman), 1994;  
New York Academy of Sciences, 1996;  
European Ceramics Society (ECS), 1996;  
European Society Precision Engineering and Nanotechnology (EuSPEN)  
(National Node), 1997;  
International Group of Environmental Manufacturing (ICEM), 1997;  
European Network for Superconductivity (SCENET) (National Node), 2000;  
International Machine Tool Association (IMTA) (Council Member), Ukraine,  
2005.

***Scientific Journals (Editorial Board):***

Journal of Materials Processing Technology, UK, 1978;  
International Journal of Mechanical Sciences, UK, 1982-1990;  
Proceedings of the Institution of Mechanical Engineers, Journal of Engineering  
Manufacture, UK, 1990-2002;  
International Journal of Advanced Manufacturing Technology, UK, 1997;  
International Journal of Crashworthiness, UK, 1999;  
International Journal of Production Engineering and Computers, Serbia, 2000;  
Journal of Education Systems, Ukraine, 2001;  
International Journal for Manufacturing, Science and Production, UK / Israel,  
2002;  
Nanotechnology Perceptions, UK, 2004;  
Journal of Mechatronics and Intelligent Manufacturing, USA, 2008;  
Journal of Materials Sciences and Applications, USA, 2010;  
Journal of Production Processes and Systems, Hungary, 2012;  
Scholarena Journal of Nanoscience and Nanotechnology, 2012;  
SciFed Journal of Metallurgical Science, 2017;  
SciFed Journal of Polymerscience, 2017.

## 7. Citations

Who's Who in Greece;

Who's Who in Engineering, American Association of Engineering Societies, USA;

Who's Who in the World, Marquis, USA;

Dictionary of International Biography, International Biographical Centre, UK;

ABI 5000 Personalities in the World, American Biographical Institute, USA;

European Who's Who;

Hungarian Encyclopaedia, Hungary.

## 8. Publications

The published work until today (November 2017) covers:

The theoretical, experimental and practical aspects of: *Mechanics; Manufacturing Technology; Precision / Ultraprecision Engineering; Nanotechnology; Ferrous and Non-Ferrous Materials Technology from Macro-, Micro- to Nanoscale; Powder Production and Processing Technologies; Biomechanics / Biomedical Engineering; Transport / Structural Plasticity / Crashworthiness of Vehicles; Energy and Environmental Aspects; Safety and Defense.*

It consists of:

*31 Books and Monographs, 12 Textbooks, 550 Papers in Refereed Journals and Conference Proceedings, 2 Patents, worldwide.*

(The relevant files are attached).