



UNIVERSITY OF
PATRAS
ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ

SCHOOL OF ENGINEERING

**DEPARTMENT OF MECHANICAL
ENGINEERING AND AERONAUTICS**

MACHINE DESIGN LABORATORY

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Brief CV

Dr. Nikolakopoulos was born in Kalamata, 1967. He holds a Diploma in Mechanical Engineering (1990), and a Ph.D. in Mechanical Engineering (1996), from the Department of Mechanical and Aeronautics Engineering of the University of Patras, Greece. His research activities include hydrodynamic lubrication of journal and thrust bearings, stability, misalignment, wear and wear detection of journal bearings, tribology of artificial textured journal and thrust bearings, Magnetorheological, Nano-magnetorheological and Electrorheological fluids, Active Magnetic Bearings, Computational Fluid Dynamics (CFD) of non Newtonian lubrication of journal bearings, optimization of machine elements, piston ring tribology, tribology and dynamics of floating ring bearings, and crankshaft bearings.

Career: Dr Nikolakopoulos has been a research scientist in several EU and National funded research programs since 1990. He worked for almost 12 years in industry since 1997 as design engineer and technical manager, project engineer and project manager on energy the telecommunications and energy sector projects. He is currently an Associate Professor, since June 2019, Teniored (2018) and Assistant Professor at the Department of Mechanical and Aeronautics Engineering of the University of Patras, Greece (since 2014), while since 2008 -2014 was a Lecturer. Since December 2017 is a Director of the Design and manufacturing Division of the Mechanical Engineering and Aeronautics Department.

Other activities: He is a reviewer of many reputed scientific journals of Tribology International (Elsevier), of Journal of Tribology of ASME, Journal of Mechanism and Machine Theory (Elsevier), Journal of the Mechanical System and Signal Processing (Elsevier) et.al.

He is currently Area Editor, in the journal of *Simulation Modeling Practice and theory, Elsevier*, since May 2012. He has participated in 8 research projects and 3 of them was the coordinator

Author activities: He has published 59 papers in international journals and 75 in international conferences also he has 3 chapter in books and one National and one International Patent, and he has written two (2) books in Greek.

- https://scholar.google.gr/citations?hl=el&user=AB4NOBMAAAAJ&view_op=list_works&sortby=pubdate
- https://www.researchgate.net/profile/Pantelis_Nikolakopoulos/contributions

He was a supervisor of 60 undergraduate students for his diploma theses. Also, he was in 10 completed Ph.D theses(2 of them abroad), in the examination committee and also in two of them was the Supervisor. Also he was in the examine committee of 4 completed Msc theses, and he was supervisor in 3 completed Msc theses. He is also currently supervisor of seven (7) Ph.D students, and 3 MSc students.

Main Awards

2016: Rotordynamic Analysis of a Shaft Using Magnetorheological and vanomagnetorheological Fluid Journal Bearings, Tribology Transactions, ASLE,59(1),May, 2015,DOI:10.1080/10402004.2015.1050137. Award **Edmond E. Bisson from the Society of Tribologist and Lubrication Engineers, best written paper award of 2016**

2016: Waviness and straightness of cylinder and textured piston ring tribo pair, International Journal of Structural Integrity 6(2):300-32, March 2015,DOI:10.1108/IJSI-07-2013-0014. **Award of the most Highly Commended Paper, 2016, Emerald**

2011: Evolutionary Optimization of Micro-Thrust Bearings with Periodic Partial Trapezoidal Surface: *Best paper of the ASME Turbo Expo 2010, American Society of Mechanical Engineers, Microturbines and small machinery committee and award of excellence from the Greek Ministry of Education, 2012.*