


**DEPARTMENT OF ENVIRONMENTAL ENGINEERING – UNIVERSITY OF WESTERN MACEDONIA**

<b>Name and Surname:</b>	Nickolas S. Sapidis	
<b>Specialization/Position:</b>	Professor of Computational Design and Analysis of Machine Elements, Department of Mechanical Engineering, University of Western Macedonia	
<b>Brief CV:</b>	<p>Nickolas S. Sapidis has been a Professor of “Computational Design and Analysis of Machine Elements” with the University of Western Macedonia since 2009. He received a Diploma in Naval Architecture and Marine Engineering at the National Technical University of Athens (Greece: 1985), an M.A. in Applied Mathematics at the University of Utah (USA: 1987), and an M.S. and a Ph.D. in Mechanical and Aerospace Sciences at the University of Rochester (USA) in 1988 and 1993, respectively. He was a faculty member with the Department of Product &amp; Systems Design Engineering of the University of the Aegean (Greece: 2001-2009), and he has also taught at the Hellenic Air Force Academy, the National Technical University of Athens, and the Polytechnic University of Catalunya (Spain). N. Sapidis has been pursuing research on “Mechanical Design”, “Computer-Aided Design (CAD)”, “Computer-Aided Engineering (CAE)”, “Solid Modeling”, “Virtual Engineering”, and “Computer Graphics”. He is the author of more than 70 papers on the above subjects. His research has been implemented in industrial CAD/CAE systems by the Massachusetts Institute of Technology (MIT) and companies including General Motors (GM), Intergraph and Tribon Solutions. His industrial experience on CAD/CAE includes GM R&amp;D Center and GM Design Center (USA) as well as the Marine Technology Development Co (Greece).</p>	
<b>Publications 2013-2018 (up to 5)</b>	<ol style="list-style-type: none"> <li>1. N. Gabrielides, N. Sapidis, “C1 Sign, Monotonicity and Convexity Preserving Hermite Polynomial Splines of Variable Degree”, <i>Journal of Computational and Applied Mathematics</i> <b>343</b>, pp. 662-707, 2018.</li> <li>2. I. Chatziparasidis, D. Giagopoulos, N. Sapidis, “Simulated Dynamic Finite-Element Experiments and Automatic Assembly Synthesis for Mechanical Design Automation”, <i>Intern. Journal of Product Lifecycle Management</i> <b>11</b>(1), pp. 19–46, 2018.</li> <li>3. D. Giagopoulos, I. Chatziparasidis, N. Sapidis, “Dynamic &amp; Structural Integrity Analysis of a Complete Elevator System through a Mixed Computational-Experimental Finite Element Methodology”, <i>Engineering Structures</i> <b>160</b>, pp. 473-487, 2018.</li> <li>4. I. Chatziparasidis, N. Sapidis, “Framework to Automate Mechanical-System Design using Multiple Product-Models and Assembly Feature Technology”, <i>Intern. Journal of Product Lifecycle Management</i> <b>10</b>(2), pp. 124–150, 2017.</li> <li>5. V. Kostas, A. Platis, N. Sapidis, “Performability Assessment of Standalone Photovoltaic Residential Systems”, <i>Intern. Journal of Performability Engineering</i> <b>12</b>(5), pp. 485-500, 2016.</li> </ol>	
<b>Research Projects 2013-2018 (up to 5)</b>	<ol style="list-style-type: none"> <li>1. Development and Optimization of Methods for the Design and Construction of Panels for Van Insulation”, funded by: Stathis - Ντούνας Θεοχάρης &amp; ΣΙΑ ABEE, 2016 – 2017.</li> <li>2. <i>Projects funded by KLEEMANN SA, with D. Giagopoulos (Scientific Responsible) &amp; N. Sapidis (Member of the Research Team):</i> <ol style="list-style-type: none"> <li>a. “Optimum Design and Dynamic Analysis of a Panoramic Elevator Frame through Numerical and Experimental Methods”, 2015 – 2017,</li> <li>b. “Dynamic Analysis and Optimization of Systems of the company Kleemann S.A.”, 2014 – 2016.</li> </ol> </li> <li>3. “Verification of Structural Integrity of a Hydraulic Lift using Progressive Safety Gear for the company Kleemann SA”, funded by: KLEEMANN SA, 2012 – 2013.</li> </ol>	
<b>Distinctions:</b>	<ul style="list-style-type: none"> <li>• International scientific journal <i>Computer-Aided Design</i> (Elsevier), the oldest journal in the field of CAD/CAE/CAM: Member of the Editorial Board, 1996-today. Member of the Editorial Board of more than 10 international scientific journals published by the publishers Springer, Taylor &amp; Francis, Inderscience.</li> <li>• Member of the Program Committee (after a personal invitation) of more than 70 international conferences in the fields of CAD, Geometric Modeling and Computer Graphics.</li> <li>• 2000 – today: <i>Keynote Invited Speaker</i> for 7 international conferences.</li> </ul>	