Professor Dimitris A. Saravanos

From: Theofanis S. Plagianakos and Dimitris A. Saravanos, “Coupled high-order layerwise laminate theory for sandwich composite plates with piezoelectric actuators and sensors”, 19th International Conference on Adaptive Structures and Technologies, October 6-9, 2008, Ascona, Switzerland

See:
http://saam.mech.upatras.gr/14-group-pages/personnel/18-dimitris-saravanos.html
https://scholar.google.gr/citations?user=U8ckEasAAAAJ&hl=en
https://www.researchgate.net/profile/Dimitris_Saravanos

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Biography:
He received a Ph.D. in Mechanical Engineering from the Pennsylvania State University (1988), a Masters in Engineering from Stevens Institute of Technology and a B.S. in Mechanical Engineering from National Technical University of Athens.
Currently a Professor at the Department of Mechanical Engineering and Aeronautics at the University of Patras, Greece (1999-date) where he teaches courses in the area of Structural Analysis, Finite Elements, Structural Dynamics and Composite Mechanics. He also heads the research group of Structural Analysis and Smart Materials. Prior to that, he worked for 10 years as a Researcher with the Structures Division at NASA Glenn Research Center in Cleveland, Ohio (1988-1999).
He has published over 150 articles and conference papers in the areas of smart composites and adaptive structures, SHM, composite structural mechanics and structural dynamics. His current research interests are in the areas of computational structural mechanics and dynamics, smart materials and structures, structural health monitoring, mechanics of composite materials and structures, nanomechanics and nanocomposites. He has received research support from national programs, EU (FP 5, 6, 7), and international sources (NASA, NSF) for projects in the fields of aeronautics, aerospace and wind energy.
He is Associate Editor of the Journals of Wind Energy and Aerospace Science and Technology, an Associate Fellow of AIAA, member of the AIAA Adaptive Structures Committee, member of the scientific committees of the international conferences Adaptive Structures Conference, European Workshop of SHM (EWSHM) and International Conf. of Adaptive Structures Technology (ICAST).

**Selected Publications:**


Coupled layerwise analysis of composite beams with embedded piezoelectric sensors and actuators.


Varelis D and Saravanos D 2002 Nonlinear coupled mechanics and initial buckling of composite plates with piezoelectric actuators and sensors Smart Mater. Struct. 11 330–336


Theofanis S. Plagianakos and Dimitris A. Saravanos, “Coupled high-order layerwise laminate theory for sandwich composite plates with piezoelectric actuators and sensors”, 19th International Conference on Adaptive Structures and Technologies, October 6-9, 2008, Ascona, Switzerland
Theodoros Machairas, Alexandros Kontogiannis, Anargyros Karakalas, Alexandros Solomou, Vasilis Riziotis and Dimitris Saravanos, “Robust fluid-structure interaction analysis of an adaptive airfoil using shape memory alloy actuators”, Smart Materials and Structures, Vol. 27, 105035, 2018