



Academic Personnel Short Profile / Short CV

University:	HELLENIC NAVAL ACADEMY
Surname:	GALANIS
Name:	GEORGIOS
Rank:	PROFESSOR
Faculty:	NAVAL SCIENCES
Department:	MATHEMATICS
Scientific Domain: *	MATHEMATICAL MODELING – DIFFERENTIAL GEOMETRY – GLOBAL ANALYSIS

** Field of Specialization*

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title
PhD in Mathematics	1995	University of Athens	Mathematics	Differential Geometry of Projective Limits of Fiber Bundles
MSc in Mathematics	1991	University of Athens	Mathematics	
BSc in Mathematics	1990	University of Athens	Mathematics	

Employment history – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
2018	Today	Hellenic Naval Academy	Piraeus, Greece	Professor
2014	2019	Hellenic Naval Academy	Piraeus, Greece	Associate Professor
2000	Today	Hellenic Open University	Athens, Greece	Teaching Collaborator

Key <u>refereed</u> journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2020	A coupled modeling study of mechanical and thermodynamical air-ocean interface processes under sea storm conditions	C. Stathopoulos, G. Kallos	Dynamics of Atmospheres and Oceans	91	23
2	2020	An Integrated Energy Simulation Model for Buildings	G. Papayiannis, N. Kampelis, D. Kolokotsa, D. Isidori, C. Cristalli, A. Yannacopoulos	Energies	13	23
3	2019	Development of a high-resolution wind forecast system based on the WRF model and a hybrid Kalman-Bayesian filter	C.O. Casal, P. Patlakas, M.A. Prósper, G.M. Macho	Energies	12	19
4	2019	Combined Kalman Filter and Universal Kriging to Improve Storm Wind Speed Predictions for Northeastern U.S.	A. Samalot, M. Astitha, J. Yang	Weather and Forecasting	34	5
5	2018	Model aggregation using optimal transport and applications in wind speed forecasting	G.I. Papayiannis, A.N. Yannacopoulos	Environmetrics		19
6	2017	Operational atmospheric and wave modeling in the California's coastline and offshore area with applications to wave energy monitoring and assessment	Menas Kafatos, Peter C. Chu, Nikolaos Hatzopoulos, Evgenia Papageorgiou and Aristotelis Liakatas	Journal of Operational Oceanography	10	19
7	2017	A hybrid Bayesian Kalman Filter and applications to numerical wind speed modeling	Evgenia Papageorgiou and Aristotelis Liakatas	Journal of Wind Engineering & Industrial Aerodynamics	167	22

8	2017	A new Kalman Filter based on Information Geometry techniques for optimizing numerical environmental simulations	I. Famelis, A. Liakatas	Stochastic Environmental Research and Risk Assessment	31	13
9	2008	<i>Improvements in wind speed forecasts for wind power prediction purposes using Kalman filtering</i>	P. Louka, N. Siebert, G. Kariniotakis, P. Katsafados, I. Pytharoulis	J. Wind Eng. Ind. Aerodyn	96	15
10	2015	Geometry in a Frechet Context: A Projective Limit Approach,	C.T.J. Dodson. E. Vassiliou,	Lecture Notes of the London Mathematical Society	428	288

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)					
Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
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*Specify venue, geographic location etc

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	2015 – 2017	European Marine Observation and Data Network – <i>BlackSea</i> project	European Commission	Research Scientist
2	2012-2015	Development and application of new mathematical and physical models for monitoring the wind and sea wave energy potential	General Secretariat for Research and Technology, Greece	Principal Investigator
3	2011 - 2013	Integrated High Resolution System for Monitoring and Quantifying the Wave Energy Potential in the EEZ of Cyprus	Research Promotion Foundation, Cyprus	Project Manager
4	2009 - 2013	Marine Renewable Integrated Application Platform	EU	Research Scientist
5	2012 - 2014	New numerical and computational methods for the solution of differential equations with applications in environmental issues	General Secretariat for Research and Technology, Greece	Research Scientist
6	2019 - 2022	Resilient Europe and Societies by Innovating Local Communities	EU-Horizon 2020	Research Scientist
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**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2016 – Today	Hellenic Naval Academy	Member of the Academic Board	The highest academic board of the academy
2	2019 - Today	Hellenic Naval Academy	Member of the Research Board	Supervision of Research Activities
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Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)			
Ref. Number	Date	Title	Awarded by:
1	2018	Denny Silver Gilt Medal for the best scientific publication of 2017 published in the Journal of Operational Oceanography	Institute of Marine Engineering, Science and Technology, London UK
2	2017	« Reward of Excellence - Outstanding Actions» for the research collaboration with the Naval Postgraduate School, Monterey, USA	Chief of the Hellenic Navy General Staff
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Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10)			
Ref. Number	Date	Title	Key Activities:
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