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
2020	Today	Open University of Cyprus	Cyprus	Teaching Collaborator
2000	Today	Hellenic Open University	Athens, Greece	Teaching Collaborator

Key _refereed_ 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	2022	Comparative study of FeedForward and Radial Basis Function Neural Networks for solving an Environmental Boundary Value Problem	I. Famelis, A. Donas	Results in Applied Mathematics	16	100344
2	2022	Solar forecasting with hourly updated numerical weather prediction	G. Zhanga, E. Androulakis and D. Yang	Renewable and Sustainable Energy Reviews	154	111768
3	2022	A two-step hybrid system towards optimized wave height forecasts, Stochastic Environmental Research and Risk Assessment	E. Androulakis	Stochastic Environmental Research and Risk Assessment	36	753–766
4	2021	Optimization of the Navy's 3D Mine Impact Burial Prediction Simulation Model Impact35 Using High Order Numerical Methods	A. Donas, I. Th. Famelis, P.C. Chu	Journal of Defense Modeling and Simulation	2021	1 – 15
5	2020	An Integrated Energy Simulation Model for Buildings	G. Papayiannis, N. Kampelis, D. Kolokotsa, D. Isidori, C. Cristalli, A. Yannacopoulos	Energies	13	1 - 23
6	2018	Model aggregation using optimal transport and applications in wind speed forecasting	G.I. Papayiannis, A.N. Yannacopoulos	Environmetrics		1 - 19
7	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	1 - 19

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	Improvements in wind speed forecasts for wind power prediction purposes using Kalman filtering	P. Louka, N. Siebert, G. Kariniotakis, P. Katsafados, I. Pytharoulis	J. Wind Eng. Ind. Aerodyn	96	2348–2362
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	1 - 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

Ref. Number	Date	Title	Funded by	Project Role*
1	2015 – 2017	European Marine Observation and Data Network – *BlackSea* 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 Secreteriat 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 Secreteriat 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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Ref. Number	Date	Title	Key Activities:
10			

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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