

Curriculum Vitae

Name: George
Surname: Gikas
Address: Varasovis 27, Ano Glifada P.C. 16561, Athens
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E-mail: geogikas@central.ntua.gr, geogikas@gmail.com
Place and Date of Birth: Athens - 22 July 1974
Familial Status: Married, 2 Children
National Service: Hellenic Navy, 2001- 2003

Education:

Undergraduate:

- 1995-1998

Bachelor of Engineering (BEng) with Honors in Naval Architecture.

Department of Marine Technology, University of Newcastle upon Tyne, U.K.

Title of BEng Thesis: «**Design of a US Coast Guard Trimaran Patrol Vessel**».

Supervisor: **Prof. I. Buxton.**

(This thesis was awarded with the second (2nd) prize at the Dr. James A. Lisnyk SNAME Ship Design Competition Rules).

Postgraduate:

- 1998-1999

Master of Science in ‘Marine Technology’ (MSc),

Department of Marine Technology, University of Newcastle upon Tyne, U.K.

Title of MSc Thesis: «**A guide for the experimental investigation of seakeeping behavior and resistance characteristics**».

Supervisor: **Prof. G.E. Hearn.**

- 2001-2003 (almost in parallel with national service)
Master of Science in ‘Marine and Sea Technology and Science’ (MSc).
 Department of Naval Architecture and Marine Technology, National Technical University of Athens (NTUA), Greece.
 Title of MSc Thesis: «**Mathematical modelling of an offshore oscillating water column wave energy converter**».
 Supervisor: **Prof. S. Mavrakos.**
- 2004 -2007
Master of Science in ‘Mathematical Modelling in Modern Technologies and Economics’.
 Department of Applied Mathematics and Physics, National Technical University of Athens, Greece.
 Title of MSc Thesis: «**Aspects of modern system theory with emphasis on generic approximate representations with applications to wave energy devices**».
 Supervisor: **Prof. G.A. Athanasoulis.**
- 2004 -
PhD Candidate in the scientific area of Hydrodynamics and Hydromechanics.
 Division of Ship Hydrodynamics. Department of Naval Architecture and Marine Technology, National Technical University of Athens, Greece.
 Supervisor: **Prof. G.A. Athanasoulis.**
 Title of Ph.D. Thesis: «**Propagation and focusing of nonlinear free surface waves with applications in hydro-mechanical energy systems**»

Complementary educational activities:

- 2001
 Seminar (one week) on the « Design and operation of ships for enhanced safety against capsizing ». Institution - NTUA.
- 11/2006-1/2007
 Attendance to the class of Advanced Dynamics (one semester), Mechanics Division, Department of Applied Mathematical and Physical Sciences, NTUA (Lecturer: **Prof. A. V. Vakakis**)

Ph.D. Scholarship:

2004 - 2007 From the State Scholarships Foundation.

Fellowships:

Reception of the Marie Curie fellowship for the participation to the SICON TC1 event titled: “*Stability and Bifurcations of Nonlinear Dynamical Systems*”, held at L’Aquila, Italy, 2-7 / 7 / 2007.

Research Activities:

2-2- 2000 - 20 -3-2001.

Scientific researcher in the Laboratory for Ship and Marine Hydrodynamics, NTUA
Activities: Development and operation of experimental procedures and results’ analysis. Operation of hydrodynamic software package. Cooperation with the Hellenic Ship Register in order to evaluate the hydrodynamic software package SWAN. One technical report (following).

Technical Report:

«**Research and development program. Optimum design of an advanced technology fast ferry. Numerical and experimental investigation of seakeeping performance** », Dept. of Naval Architecture and Marine Engineering, NTUA, Report 232-F-2000, November 2000, G. Gikas, G. Grigoropoulos, T. Loukakis.

Publication in Conference Proceedings (full paper’s review):

Gkikas G.D., Xiros N.I., Athanassoulis G.A. and Belibassakis K.A. (2006).
«**A nonlinear model for Oscillating Water Column analysis, design and control**». *16th Annual International Offshore and Polar Conference and Exhibition ISOPE 2006, San Francisco USA.*

Foreign Languages:

Greek: Mother tongue. English: Lower Certificate (Cambridge), TOEFL (Mark 600).

Business (Freelance) activities:

2000 - ...

Technical surveys for various types of ships. Member of the Technical Chamber of Greece.

Current Interests:

- Renewable wave energy sources.
- System Identification techniques for nonlinear structures and systems.
- Stability of nonlinear systems.