

Personal information:

Name: Georgios K. Hatzikonstantis

Place/time of birth: Athens, 27-11-1955

Organization of current employment:

Department of Naval Engineering P.A.D.A. (University of Western Attica)

Athens School of Engineering

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Qualification: Assistant Professor with subject "Ship Engines I, Ship Engines II, Ship Repairs and Conversions".

Research Interests: Traditional Shipbuilding in Greece, Developments - improvements of the Regulations of Surveyors, Anti-fouling technologies and applications on ships, Study - construction - repair of open type Passenger - Ferry ships, Study - construction - repair of Passenger ships, fishing vessels from shipbuilding timber, Ship equipment (study - design - construction of cranes, engine / machinery bases), Conversion of ship propulsion installation from conventional fuel to the use of liquefied natural gas.

Education:

1. 1980, Diploma, Department of Shipbuilding Mechanical Engineering, University of GENOVA (Italy)
 - 1.a duration of studies: 5 years (completion of studies May 1980)
 - 1.b thesis : study (technical-economical analysis, construction lines plan, general arrangement plan, tonnage plans, full series of construction plans, hydrostatic curves, initial stability curves, propeller plan, rudder plan) of a Bulk Carrier ship DWT of about 926 tons.
2. 2007, Master's degree, "QUALITY ASSURANCE", (Hellenic Open University).

Foreign languages: Italian, English

Administrative experience

1. Head of the Department of Shipbuilding T.E.I. (Technological Educational Institute) of Athens in the following time periods:
 - a. 01-09-2000 to 31-08-2002
 - b. 01-09-2000 to 31-08-2004
 - c. 01-12-2007 to 31-08-2008
2. Deputy Head – Head of the 2nd Department of Courses from 1989 to 2000.
3. Member of the Board of Directors of the Student Club of T.E.I. (Technological Educational Institute) of Athens, in matters of STUDY CARE from 2007 until the current Academic Year 2016.
4. Member of the PRACTICAL EXERCISE Committee, Department of Naval Engineering T.E.I. (Technological Educational Institute) of Athens, 1990 until the current Academic Year 2016.

Educational work

A. Educational experience

1. Undergraduate Program of the Department of Naval Engineering, University of Western Attica in the courses:
09/2018 - today “Ship Lines Drawings and Introduction to CAD” (theory and laboratory)
09/2018 – today “Thermodynamics” (Theory)
09/2018 – today “Ship Construction Drawings” (theory and laboratory)
2. Undergraduate Program of the Department of Naval Engineering in the courses:

09/1982 – 09/1990 : Fluid Mechanics (Theory), Hydrodynamics (Theory), Ship Electrical Installations (Theory), Ship Automation (Theory), Mechanical Design (Laboratory), Ship Lines Drawings (theory and laboratory), Ship Construction Drawings (theory and laboratory), Technical Legislation (theory and laboratory), Ship Engines II (theory and laboratory)
09/1990 – 09/2018 : “Ship Lines Drawings and Introduction to CAD” (theory and laboratory)
Thermodynamics (Theory), Ship Engines II (theory and laboratory), Ship Construction Drawings (theory and laboratory)
3. Naval High School “RANI”, 1982 - 1983.
Courses: Shipbuilding, Strength of Materials.
4. Professional Technical School “ANAXAGORAS”, 1982 - 1983.
Courses: Machines, Strength of Materials, Thermodynamics.

B. Development of new laboratories to support the teaching of P.P.S. courses. (undergraduate programme study)

a. Creation of a Ship Building Laboratory

Within the framework of the course “SHIP CONSTRUCTION DRAWINGS”, submission and implementation of the proposal for the supply of laboratory equipment and the creation of supervisory means in the said laboratory, from the budget of the Foundation (TEI) through an Open Tender of the following:

1. Transverse structural reinforcement vessel section (length = 2.00 m, width = 1.00 m, height = 1.25 m)
2. Longitudinal structural reinforcement vessel section (length = 2.00 m., width = 1.00 m., height = 1.25 m)
3. Boat rudder (length = 0.70 m, string width = 110 mm, height = 1.00 m)

b. Ship Construction Laboratory Development

Submission and implementation of the proposal for the additional supply of laboratory equipment and the expansion of the supervisory means of the laboratory in question, from the Foundation's budget of the University of West Attica))

1. A new section with hull opening to deck has been added to the transverse structural reinforcement Vessel Section, with new section dimensions length = 2.20 m, width = 1.00 m, height = 1.25 m and with hull opening dimensions length = 1.20 m, width = 0.70 m, height = 0.20 m)
2. In the Longitudinal Structural Reinforcement Vessel Sector, a new main engine base sector has been added, with new sector dimensions length = 2.40 m, width = 1.00 m, height = 1.25 m and main engine base dimensions length = 2.40 m., width = 0.30 m., height = 0,70 m.

Author's work

1.a. in Undergraduate program of the Department of Naval Engineering in the courses: Thermodynamics (theory), Fluid Mechanics (theory), Hydrodynamics (theory), Ship Engines II (theory and laboratory), Ship Lines Drawings (theory and laboratory). Technical Legislation (theory and laboratory)

1.b. in Undergraduate program of the Department of Naval Engineering, University of Western Attica in the courses:

Thermodynamics (theory), Ship Construction Drawings (theory and laboratory), Ship Lines Drawings and Introduction to CASD (theory and laboratory)

2. Development of detailed teaching material - writing notes and presentation in power point format of the lectures for the courses “Thermodynamics” (Theory), “Ship Lines Drawings and Introduction to CASD” (theory and laboratory), “Ship Construction Drawings (*ex Technical Legislation*) (Theory and laboratory), Ship Engines II, with Independent teaching at Undergraduate Program of the Department of Naval Engineering, Western University. Teaching material in ppt format (registration on the website <https://eclass.uniwa.gr/>)

3. Creation of video lectures (ocp.teiath.gr) for the courses “Ship Lines Drawings and Introduction to CASD” (theory and laboratory), “ Ship Construction Drawings” (*ex Technical Legislation*) theory and laboratory) with Self-sufficient teaching at Undergraduate Program of the Department of Naval Engineering, Western University. **Teaching material in the form of video-lectures at ocp.teiath.gr ppt/ Action OPEN ACADEMIC COURSES, 2016**

4. Book : SHIP LINES DRAWINGS AND INTRODUCTION TO CASD, 2022

5. Book : SHIP CONSTRUCTION DRAWINGS, 2022

Scientific - Research activity

1. “Problems during the construction of CATAMARAN-type boats and how to deal with them”

The study was judged as an “original and beyond the usual professional project” by the Association of Chartered Naval Engineers of Greece and by the Scientific Committee of the Specialty of Naval Engineers of the Technical Chamber of Greece.

The above work was equated to a Master's Degree, according to a decision of the Scientific Council of the Institute of Technological Education.

2. “Optimization of Shipbuilding Technology for Marine Diesel Engine Control Investigation”, 2005

3. “Development of models for predicting waves in the marine and coastal environment and their use in matters of optimization of shipbuilding technology to deal with pollution problems”, ARCHIMEDES Conference 2005, TEI of Athens November 24-26, 2005

4. Study - design - construction of a prototype antifouling boat CLEANMAG-NANCY, 2001, Ship’s Inspection General Directorate / Ministry of Maritime Affairs and Insular Policy

5. "Effect of welding gases on workers", Technical Chamber of Greece, 2008

6. Scientific manager: EPEAEK II-EKT, 2003 / Reform of Undergraduate program

7. Participation in research programs:

a) EPEAEK - ARCHIMEDES I: "Issues dealing with sea pollution", Athens 2007 – TEI of Athens

b) EPEAEK ARCHIMEDES II, "Marine engine control", 2005

c. G. Hatzikonstantis, 2001, “Study / construction of the oil collection vessel CLEANMAG I – NANCY”/ LIFE Program 1999-2004

d) TEI - ATHENS - EQUIPMENT 2007 / 2008: supply of laboratory equipment

e) TEI - ATHENS - EQUIPMENT 2010 / 2012: supply (expansion) of laboratory equipment

8. Member of OMEA, Internal Evaluation team of the Department of Shipbuilding TEI - Athens, ADIP, 2009.

9. Evaluator for the Internship programs, (*SPECIAL BUSINESS EDUCATION AND LIFELONG LEARNING PROGRAM MANAGEMENT SERVICE EYD EPEDVM*), "University Internship" and "TEI Internship" actions. Divani Caravel, Athens, 22/1 to 5/2/2010, Ministry of Health, UNIFIED ADMINISTRATIVE SECTOR OF MANAGEMENT OF KPS PROGRAMS SPECIAL MANAGEMENT SERVICE E.P. EDUCATION AND LIFELONG LEARNING.

Participation in Educational Seminars

1. Teaching at the seminar "EDUCATION AND TRAINING OF HEALTH INTERESTS". (National School of Public Health), December 3 – 13, 2003, with topics:

“Drinking water on cruise ships”

“Management of waste - garbage - sewage on ships”

2. Member of the National Certification Centre for Continuing Professional Training.

Scientific Advisor

A. Director in the Department of Studies and Designs and the Department of Implementation of the company "MARINTAS LTD.", during the time period 1/7/1986 until 20/8/1988.

B. Member of the Committee for the submission of a proposal to reform the curriculum of the Department of Shipbuilding and promote it to the Technological Educational Institute. (2002)

C. Reform of the Undergraduate Studies Program of the Department of Shipbuilding T.E.I. of Athens (2005 - 2008)

D. Chairman of the Committee for the evaluation and purchase by the Shipbuilding Department of the Shipbuilding of Computer Programs, 1988

E. Head of the Computer Office of the Shipbuilding Department, 1988

F. Member of the Examination Committee at Technical Chamber of Greece for the granting of a license for the profession of Naval Engineers (1999-2013).

Member of Scientific Associations

1. Technical Chamber of Greece (T.E.E.)

2. Association of Shipbuilding Engineers of Greece (S.D.N.M.E.)

3. Society of Naval Architects and Marine Engineers (S.N.A.M.E.)

ISSUES OF THE MINISTRY OF EDUCATION AND RELIGIONS AFFAIRS

1. MEMBER OF COUNCILS

1.A. Member of the Scientific Council of the Council for the Recognition of Professional Equivalence of Higher Education degrees (03 / 01 / 2005 – 14 / 02 / 2008)

1.B. Member of the Scientific Council for Maritime Education as a representative of the MINISTRY OF EDUCATION AND RELIGIONS AFFAIRS

1.C. Scientific Advisor for Naval Engineering T.E.I. in the "PROFESSIONAL AND SCIENTIFIC ASSOCIATION OF TECHNOLOGICAL EDUCATION OF ENGINEERS" (EETEM)

2. SPECIAL PRESENTATOR (in matters of the MINISTRY OF EDUCATION AND RELIGIONS AFFAIRS and MINISTRY OF MARITIME AFFAIRS AND ISLAND POLICY)

2.1 Submission of a proposal for:

"Determining terms, conditions and procedures for the recognition of equivalence with the T.E.I. diplomas, the Merchant Marine A' class diplomas of Academic Merchant Marine (A.E.N.) graduates. and of graduates from the Higher Academic Public Schools of the Merchant Marine" (Submission to the Ministry of Education and Culture: 04 – 2009) (non-remunerated presentation)

2.2 Submission of a proposal for a draft Presidential Decree for:

"Professional rights of SHIP ENGINEERS T.E.I." (Submission of the draft PD. 05 /2009, Department of Higher Education / MINISTRY OF EDUCATION AND RELIGIONS AFFAIRS

2.3. Proposal of arrangements at the level of the Joint Committee of the Ministry of Education and Religion affairs for the upgrade of Merchant Marine Schools (A.E.N.), 2009

2.4. Member of the Ministry of Education and Religion affairs committee, as Scientific advisor of the Scientific Association of Technological Education of Engineers (EETEM) for Naval Engineering issues T.E.I., and proposal for the professional rights of SHIP ENGINEERS T.E.I., Athens 7-19-2016

2.5. Member of the Examination Committee at Technical Chamber of Greece for the granting of a license for the profession of Naval Engineers (by 1999-2012).

2.6 "Reformation and upgrade of the professional license exams", CONFERENCE IV DAY, Technical Chamber of Greece, 27- 28 / 03 / 2006

2.7 "THE MARINE ENGINEER TECHNOLOGIST IN THE SHIPSHIP INDUSTRY" T.E.E. (The Shipbuilding Industry in Greece - Current situation and Prospects"), G. Hatzikonstantis, Yacht Club of Greece 30/ 5/ 2005 ("Chronicles of Naval Engineers"), issue no. 95, Apr. - Jun. 2005.

2.8 "EDUCATION TRAINING OF HEALTH INTEREST" of ESDY. (National School of Public Health), December 3 – 13, 2003, / topics: " Drinking water on cruise ships" / " Management of waste - garbage - sewage on ships"

2.9 "University Internship" and "TEI Internship". Athens, 22/1/2010 to 5/2/2010 , Ministry of Education and Culture / EYD Evaluation of programs

Professional experience:

1. 1981 - 2013: study - design - construction, repairs - conversions - supervision of works of various types of ships (passenger - tourist, passenger - open ferries, fishing boats, tankers, bulk carriers, anti-pollution vessels).
2. Naval Architect and Marine Engineer expert of the Maritime Department of the Commercial Bank of Greece (1993-2010).
3. Naval Architect and Marine Engineer expert of Piraeus Court of First Instance (from 2000-2013).
4. Director in the Department of Studies and Designs and the Department of Implementation of the company "MARINTAS LTD", during the time period 1/7/1986 until 20/8/1988.
5. Design and construction of the prototype oil collection vessel "CLEANMAG - NANCY I", (Merchant Ship Inspection Branch of the Ministry of Maritime Affairs and Island Policy) 2001.
6. Study (fire safety, life-saving equipment, Springler system, MAINTENANCE OF SURVIVAL EQUIPMENT – CREW TRAINING manual, conduct and stability ACCORDING TO RES. A 749 CRITERIA (18 IMO), stability against damage ACCORDING TO SOLAS 90 CRITERIA 1 COMPARTMENT SHIP CRITERIA), for the ship's E/C - D/R compliance with the requirements for CATEGORY "B" ships of the Community Directive (EURO SOLAS), K.E.P. 06 – 07 / 2010.
7. Study (fire safety, lifesaving equipment, EQUIPMENT MAINTENANCE - CREW TRAINING manual), for the compliance of the E/C - D/R of an open-type ship with the requirements for CATEGORY "C" ships of the Community Directive (EURO SOLAS), K.E.E.P. 06 – 07 / 2010.
8. Study (fire safety, life-saving equipment, EQUIPMENT MAINTENANCE - CREW TRAINING manual), for the compliance of the E/G - D/R of a ship with the requirements for CATEGORY "C" ships of the Community Directive (EURO SOLAS), Ship's Inspection General Directorate, 06 – 07 / 2010.

Other activities

1. "THE NAVAL ENGINEER AFTER GRADUATION", Awarding of Degrees of the Department of Shipbuilding 10-6-2003 (speech).
2. "Maritime Education in Greece - Perspectives in the modern world shipping environment", AEN - ASPROPYRGOS, 21-01-2003 (speech).
3. "THE NAVAL ENGINEER IN THE SHIPPING INDUSTRY", Event Technical Chamber of Greece (T.E.E.) (The Shipbuilding Industry in Greece - Present Situation and Prospects"), G. Hatzikonstantis, Naval Association of Greece", 30 – 5 – 2005 (speech) ("Chronicles of Shipbuilding Engineers", issue no. 95, Apr. - Jun 2005.
4. "SHIPS AND MARITIME TRANSPORTATION", Training Workshop for Educational Engineers in the Construction sector, Technical Chamber of Greece, 21-06-2006 (speech).
5. "REFORMATION AND UPGRADING OF PROFESSIONAL LICENSE EXAMINATIONS", SESSION IV DAY, Technical Chamber of Greece (T.E.E.) 27- 28 / 03 / 2006 (speech).
6. "THE OFFER OF THE NAVAL MECHANICAL ENGINEER IN EDUCATION", T.E.I. Athens . 05 - 2007 (speech)

7. THE REFORM OF THE UNDERGRADUATE PROGRAM AT T.E.I. ATHINAS, sub-project 10 Department of Shipbuilding T.E.I. of Athens 'Presentation of activities / Report of activities - completion of the project', G. Hatzikonstantis (Head of Department) Conference, "ATHENS ELECTRA PALACE", Athens, 06-27-2008 (speech).
8. "POSSIBILITIES OF COOPERATION OF THE SHIPBUILDING DEPARTMENT OF T.E.I. ATHENS WITH THE Merchant Marine Schools", Aspropyrgos, 19/01/2003 (speech)

Publications:

1. G. Hatzikonstantis, "Problems during the construction of Catamaran type boats, and how to deal with them", published in "Chronicles of Naval Engineers", issue no. 55, April – June 1995.
2. K.A Belibassakis, G.K. Hatzikonstantis, G. Theotokatos, Ch.N. Stefanakos, S. Sarantopoulos, Th. Gerostathis, Y.G. Georgiou, "New challenges in the education of Naval Architects in TEI of Athens", WSEAS International Conference on Engineering Education, Vouliagmeni, Athens, Greece, July 8-10, 2005
3. G. Hatzikonstantis, 2001, "Design of the oil collection vessel CLEANMAG I – NANCY", Ship's Inspection General Directorate (KEEP) 2001.
4. G. Hatzikonstantis, 2001, "Design of the oil – spill combat ship CLEANMAG 1 – NANCY" Technical Report, October 2001 / MARINES' CHRONICLES 2001
5. G. K. Nikolaidis, P. Skountzos, G. Atanasova and G. Hatzikonstantis, 2003, "Magnetic oil spill cleaning method", HELECO 2003, Athens, January 30 - February 4, 2003.
6. G. Hatzikonstantis, K. Belimbasakis, "Optimization of shipbuilding technology to combat pollution and protect the marine environment", Naval Engineering Chronicles", no. v. 93, October – December 2004.
7. Belibassakis, K.A., Hatzikonstantis G., Georgiou Y., 2007, "Optimization of naval technology for novel oil – spill combating technique", submitted for presentation in 12th International Congress of the International Maritime Association of the Mediterranean IMAM 2007, Varna, Bulgaria.
8. G. Hatzikonstantis, G. Theotokatos, K. Belimbasakis, "Optimization of shipbuilding technology for the investigation of marine diesel engine control", ARCHIMEDES II, "Chronicles of Naval Engineers", no. v. 93, February 2005.
9. G. Hatzikonstantis, G. Theotokatos, K. Belimbasakis, "Optimization of shipbuilding technology for the investigation of marine diesel engine control", ARCHIMEDES II, "Chronicles of Naval Engineers", no. v. 94, March 2005.
10. G. Theotokatos, G. Hatzikonstantis, "Measurement and analysis of noise and vibrations at the Shipbuilding Department of T.E.I. Athens", Chronicles of Shipbuilding Engineers", no. v. 97, December 2005.
11. "Effect of welding gases on workers", T.E.E., 2008.
12. Presentation: CLEANMAG AFRICA Program – R.D. CONGO", Scientific collaboration of the Research Team of TEI Piraeus / Georgios Hatzikonstantis, T.E.I. Piraeus January 2014.