



**Curriculum Vitae of  
NIKITAS. NIKITAKOS  
Professor  
University of the Aegean**

SURNAME: NIKITAKOS

NAME: NIKITAS

FATHER'S NAME: VASSILIOS

BIRTHDATE : 1 - 1 -1959

ADDRESS: KORAI 2A – CHIOS - GREECE

PHONE NUMBER: +30 2271 35267

FAX: +30 2271 35299

e-mail: nnik@aegean.gr

**I. ACADEMIC DEGREE'S**

- 1976-1980 Hellenic Naval Academy (Engineer's Dept.)
- 1980-1981 Degree in Statistics from University of Piraeus
- 1981-1986 University Degree in Economics (Maritime Economics) from University of Piraeus
- 1986-1989 Postgraduate studies in USA (Naval Postgraduate School, Monterey, CA, U.S.A.) and achievement of the following degrees  
M.Sc. in Applied Mathematics (June 1988)  
M.Sc. in Electrical Engineering (Dec. 1988)
- 1991-1996 Ph.D. in Electrical and Computer Engineering from NTUA (Dec. 1996)

## **II. Professional Education**

- 10/83 - 11/83 Naval War College for Junior Officers
- 11/83 - 6/84 General education School for Hellenic Navy's officers
- 10/84 - 2/85 Damage Control for Naval ships (Treasure Island Training Centre - S.Francisco, CA)
- 09/99 - 7/00 National Defence College

## **IIβ. Professional Experience**

During his 25 years services in the Hellenic Navy (Captain H.N. ret) he has in the following assignment

- 07/80 - 10/81 Engineer officer on board H. N. S. NABAPINO (destroyer)
- 07/81 - 9/81 Engineer officer on board USS TALBOT (FFG-4)
- 11/81 - 01/82 Engineer officer on board H.N. S. KPIEZHE (destroyer)
- 01/82 - 10/83 Second M.P.A. on board of H.N.S. ELLI (frigate)
- 10/83 - 07/84 Studies in Hellenic Naval Academy (General Education School)
- 07/84 - 08/86 Main .Propulsion .Assistant on board of HNS KANAPHΣ (destroyer)
- 08/86 - 04/89 Postgraduate studies in USA.
- 05/89 - 06/95 Chief Engineer and Electronic's Officer in the Hellenic's Fleet flagship ELLI
- 06/95 - 10/95 Research Associate in NATO Underwater Acoustics Centre (Italy)
- 10/95 - 08/96 Deputy Director of Studies in Hellenic Naval Academy
- 08/96 - 08/98 Director of Electircity and Electronic/ Information Systems in Salamis Naval Base
- 08/98 - 08/00 Director of Electrical and Electronics Directorate in Hellenic Navy's general Staff
- 08/98 - 05/01 Inspector of Electrical and Electronics in General Inspection Directorate of Hellenic Navy
- 06/99 - 07/01 Deputy Scientific Director of Hellenic Navy's Office for Reacher and Technology
- 05/01 - 08/01 Director of Electrical and Electronics Systems in Hellenic's anvy Fleet staff. Resign form the Navy due to University of the Aegean professorship's appointment

During Military Carrier participation as president/ member in the following committees

- MIS for Salamis Naval Base
- Electronic Warfare system for Fast Patrol boats .
- Navigational Simulator
- Main converters of 400 Hz
- Gyro compasses for H.N. Ship's
- Electronic Intelligence Systems for H.N..
- Metrology System for Hellenic Navy
- Crypto equipment for Data Links .
- Battery's installation for H.N.'s submarines
- Radio interference equipment.
- Defense research and Technology projects (evaluator/reviewer)

- HF Radio equipment.
- VHF (frequency hopping) equipment for Hellenic Navy .

### **III Research Experience**

- Research associate for 3 months, accepting a NATO fellowship, in NATO Undersea Systems Centre La Spezia Italy. (6/95 - 9/95)
- Participation as Working Group Leader in ESPRIT 6052 program “Intelligent Robotic Welding for Large Fabrications” (1992-1995).
- Participation in the program funded by Hellenic R&D Ministry named “Tracking of radar targets” of NTUA (1993-1995).
- Member of evaluation committee of Underwater Modelling system of NTUA named AMFITRITI (1992-1997)
- Funded by NATO Collaborative Research Grants Programme (CRG.951005) Visit and cooperation with the University of Nova Scotia - Halifax - Canada (May 1996).
- Participation in Human Exchange Scientists in Information science ICARUS of R&D Ministry with subject Security in information systems (1996 - 1999)
- Participation in sea measurements in the context of the program of Applied Acoustics Group 2/90 of Saclantcen in Creta (6/1990) as Hellenic Navy’s representative.
- Hellenic Navy’s representative in Research Group 5 for IR signature’s of naval ships (11/89)
- Member of joint reasearch group of U.A. and Aegean University for data security of information systems and electronic commerce.
- Participation as principal researcher in ERMIS program of telematic applications in tourism and electronic commerce.
- National representative for Hellenic Navy’s In FORACS Steering Committee (1998-2000)
- Coordinator in EU funded research projects (SLIM-VRT, POET, DIAS.NET)
- Reviewer and evaluator in IST FP5 and FP6 research projects
- Coordinator in several national funded research project
- Coordinator of the research project ‘Floating Autonomous and Ecological Desalination Plan’ which is considered as Best practice for EU for the use of renewable energies

### **IIIa. Research Awards**

- 2006 Lloyd’s List Award for Maritime Innovation for the Floating Ecological dessalination Unit
- RegioStars Award 2008 on Energy Efficiency and renewable energies
- Best paper award in the International Congress of Coastal and Marine Tourism, 2005
- Propontis foundation Scholarship for 2 years 2008-2009 for study on educational game usage for maritime training
- Award for the Alumni’s association of Ionideios High School: (Graduate of year 2008) for his contribution in Education and Culture

- Award of scientific and Research excellence 2009 from the University of Aegean and Chios society's liaison committee

### **IIIβ International Patents**

- (WO/2007/096680) STABLE FLOATING STRUCTURE WITH LIMITED OSCILLATIONS
- (WO/2007/096679) SYSTEM FOR ENERGY RECOVERY AND REDUCTION OF DEPOSITS ON THE MEMBRANE SURFACES IN (VARIABLE POWER AND VARIABLE PRODUCTION) REVERSE OSMOSIS DESALINATION SYSTEMS

### **IV. Teaching Experience**

- Teaching as Ass. Professor in University of Aegean (Dept. of Shipping Trade and Transport from 1997 until now of the following courses :
  - ‘Introduction to Information Science’ winter semester
  - ‘Applied Informatics’
  - ‘Marine Technology’
  - ‘New Technologies in Maritime and Transport systems’ (postgraduate course)
  - ‘Electronic Commerce’ (postgraduate course)
  - ‘Information Economics’ (post graduate course)
- Teaching as Adj. Professor in Hellenic Naval Academy of the following courses:
  - I. Electrotechnical Applications (1994, 1995)
  - II. Electronic's Applications II (3 times in 1995-1996)
  - III. Electronic Warfare (2 times in 1995-1996)
  - IV. Electronics (1996 – until now))
- Teaching as Scientific Associate in Technological Institution of Athens (Dept. of Informatics) of the course “Information Systems Security ” (Acad. years 1996 - 1997, 1997 - 1998)
- Teaching as Scientific Associate in Technological Institution of Athens (Dept. of Naval Architecture ) of the course “Programming II ” (Acad. years 1998 - 2003)
- Teaching in IST - Herfortside (M.Sc. Programme) of the courses (acad. years. 1996 -1997, 1997- 1998)
  - Systems Modelling (1<sup>st</sup> semester)
  - Computing Environments (1<sup>st</sup> semester)
  - Open Systems and Networks (2<sup>nd</sup> semester)
- Teaching Assistant in the course ‘Radar Systems’ in NTUA (Acad. Years 1994,1995)
- Teaching in the postgraduate program of the University of Piraeus the following courses (2002- 2005)
  - Telematics technology for transportation systems
  - Electronic Commerce in Shipping

## **V. Reviewer Activities**

- Reviewer in IEE Electronics Letters
- Reviewer in IEE Proceedings Vision, Image and Signal Processing
- Reviewer for Aegean Working papers journal
- Reviewer for European Operation Research journal

## **VI. Conferences Activities**

- Scientific Committee's member in International Conference Circuits, Systems and Computers '96
- Scientific Committee's member in the 2<sup>nd</sup> IMACS International Conference on Circuits, Systems and Computers '98
- Scientific Committee's member in the 3<sup>rd</sup> IMACS International Conference on Circuits, Systems and Computers '99
- Scientific Committee's member in conference 'The Naval Technology in 21<sup>st</sup> Century'.
- Scientific Committee's member in Conference 'Acoustical Technology 98'
- Organising Committee's member in International Conference Circuits, Systems and Computers '96
- Organising Committee's member in 'The Naval Technology in 21<sup>st</sup> Century'.
- Scientific Committee's member of International conference «Maritime Security» Chios 2001
- Scientific Committee's member of International Conference of IMAM – 2002
- Scientific Committee's president of International Conference «Sea's Geopolitics» - Chios 2002
- Scientific Committee's member of 2<sup>nd</sup> International Conference on Defence, Security and Economic Development
- Scientific Committee's member of IAME 2004, Turkey
- Scientific Committee's member of IAME 2005, Cyprus
- Scientific Committee's member of Logistics 2005, Turkey
- Scientific Committee's member of International Congress on Coastal and Maritime Tourism 2005, Cesme Turkey.
- Scientific Committee's member of ESREL 2004, Poland
- Scientific Committee's member of ESREL 2005, Berlin
- Scientific Committee's member of ESREL 2006, Lisbon
- Scientific Committee's member of ESREL 2007, Stavanger

- Vice Chairman of International Conference KIECA 2005, Gunsan, Korea

## **VII. Other activities**

- Member of educational board of Hellenic Naval Academy (from 1996 until 1999)
- Chairman of AMMITEC (Association of manager of Maritime Information Technology and Communications)
- Member of Technical Chamber of Greece, IEEE, Economical Chamber of Greece, AFCEA, Greek Computer Society, Hellenic Naval Museum ,
- Member (elected) of Administration board of Hellenic Institute of Maritime Technology
- Advisor of the Hellenic Register of Shipping
- President of AMMITEC (Association of Managers for Maritime Information Technology and Communications)

## **VIII. Publications**

### ***1. Dissertations***

[1.1] N.Nikitakos ‘ Electromagnetic methods for radar’s target identification’ Ph.D. Dissertation, National Technical University of Athens , Dec. 1996..

[1.2]. N.Nikitakos “A comparison of two frequency domain adaptive beamforming algorithms for sonar signal processing “ M.Sc. Thesis U.S.A. 1988

### ***2.1 Books***

[2.1.1] «Elements of Electricity and Electronics» (in Greek), Ministry of Educations, Secondary Technical Schools, Maritime sector, Sept. 2001.

[2.1.2] « Maritime Communications » (in Greek) , Ministry of Educations, Secondary Technical Schools, Maritime sector, Sept. 2001.

[2.1.3] ‘Defense Shipbuilding Industry- Present situation – future prospects’ Ministry of Defense, Athens 2003

### ***2.2 Chapters in Books***

[2.2.1] N.Nikitakos ‘Communications security using spread spectrum’ (in Greek) p. 249 - 260, in ‘Information Security’ Greek Computer Society , 1995

[2.2.2] N.Nikitakos ‘ Floating Autonomous and Efficient Desalination Plant’ (in Greek); in ‘Sustainable Development and the Environment’ Sideris publications , 2005

[2.2.3] N.Nikitakos ‘ Aegean Sea’s Wind and wave potential and Sustainable development’ (in Greek) in ‘ Environment and Marine Space’, Sideris publications, 2006

[2.2.4] N.Nikitakos, M.Lambrou ‘ Digital Shipping: The Greek Experience’ in ; Maritime Transport: The Greek Paradigm; , Research in Transportation Economics, Volume 21, p. 387-421, Elsevier 2007.

### **2.3 Monographs**

[2.3.1] N.Nikitakos ‘ Electronic Services in Maritime sector: Present situation - perspectives’ Chios, March 2006

### **3. Publications in International Journals**

[3.1] P.Frangos, N.Nikitakos, N.Uzunoglu “ Calculation of the natural frequencies of complex objects using a finite element near field computation method ” Journal of Electromagnetic Waves and Applications Vol.7 , No 12, pp 1633 - 1652, 1993.

[3.2] P.Frangos, N.Nikitakos, N.Uzunoglu “Electromagnetic field of a plane trapezoid of uniform distribution of current” in “Electromagnetics” , Vol. 16, No2, pp 145 - 163, 1996.

[3.3] P.Frangos, N.Nikitakos, N.Uzunoglu “Scattering of electromagnetic waves from conducting objects of arbitrary shape using a finite element near field computation method” in “Electromagnetics”, Vol. 17, No 3, pp.185-197 ,1997

[3.4] S.Stergiopoulos, D.R. Munn and N.Nikitakos “ A Method Minimizing the Correlation Properties of a Noise Field and Improving Detection of Signals Embedded in Anisotropic Noise” IEEE Journal of Oceanic Engineering, Vol. 23, No 2, pp.105 – 117, April 1998.

[3.5] N.Nikitakos, A.Leros and S. Katsikas “Towed Array shape estimation using multimodel partitioning filters” IEEE Journal of Oceanic Engineering, Vol. 23, No 4, pp. 380 - 385 , Oct. 1998.

[3.6] N.Nikitakos, I.Theotokas “Network Centric Organizations in Shipping” The Journal of Management Sciences and Regional Development, Issue 3, pp. 183- 196, July 2001.

[3.7] Nikitakos N., Gritzalis S., "Risk Management for New Information Technology Insertion in a Shipping Company", Operational Research: An International Journal, Vol.1, No.1, pp.7-16, April 2001, New Technology Publications

[3.8] N.Nikitakos and I. Kirsteins ‘‘A generalized likelihood ratio test for detecting moving targets in unknown subspace interference’’ in Aegean Working papers Journal , issue 1, pp 37-52, 2003

[3.9] A.Roumboutsos, N.Nikitakos , S.Gritzalis ‘Information technology network security Risk Assessment and management framework for Shipping companies’ Maritime Policy and Management Journal, vol. 32, no4, pp. 421-432, October – December 2005

[3.10] N.Thomaides, N.Nikitakos, G.Dounias ‘The evaluation of Information Technology projects: A fuzzy multicriteria decision making approach’ International Journal of Information Technology And Decision Making, vol.5, no1, pp. 89 – 122, March 2006

[3.11] P.Siousouras, N.Nikitakos, ‘European Integration: The Contribution of the West European

Union' European Research Studies, Vol. IX, Issue 1-2, pp.113 – 124, 2006

[3.12] D Özer, N.Nikitakos, A. G Cerit , E.Z. Oral 'Analysis of Short Sea Shipping Potential in the Greek islands' Aegean Working Papers, Issue 3, pp. 47-69, December 2005

[3.13] N.Nikitakos , E.Mennis, A.Platis ' Hybridic Model for small cruise ships' safety risk management' Journal of Tourism in Marine Environments, vol. 3, no1, pp. 59-67,2006

[3.14] C. Kollias, N.Nikitakos, A.Rafailidis ' Military Procurement and Offsets: A case study of Greek Naval procurement Offsets' to appear in the journal of Defense Economics, Dec. 2009

[3.15] Maria A. Lambrou, Athanassios A. Pallis, Nikitas V. Nikitakos, "Exploring the applicability of electronic markets to port governance", International Journal of Ocean Systems Management, Vol.1 no1, pp. 14-30, 2008.

[3.16] Georgios Dourmas, Nikitas Nikitakos, Maria A. Lambrou, "A Methodology for Rating and Ranking Hazards at Formal Safety Assessment using Fuzzy Logic", in Quarterly Archives of transport, ,vol. 19, issue 3, pp. 75-86, 2008.

[3.17] Georgios Dourmas, Nikitas Nikitakos, Maria A. Lambrou, "Evaluation of Electronic Maritime Services using Fuzzy Logic Techniques", *International Journal of Business Information Systems*, Vol. 3, No 6, in press, 2008.

[3.18] Maria A. Lambrou, Kay E. Fjørtoft, Efsthios D. Sykas, Nikitas Nikitakos, "Ambient intelligence technologies in support of shipping markets' operations", *Telematics and Informatics*, Vol. 24, No 4, 2007.

[3.19] Th. Lilas, Nikitas Nikitakos ' Floating Autonomous Environmental Friendly and Efficient Desalination Unit' Middle East FORUM, Issue 6, pp. 73-87, 2007

[3.20] Evangelos Mennis, Agapios Platis, Ioannis Lagoudis, Nikitas Nikitakos " Improving container terminal efficiency by means of Markov Theory" in Maritime Economics and Logistics, 10, 2008, (243-257)

[3.21] Evangelos Mennis, Agapios Platis, Nikitas Nikitakos, Jean Guy Fontaine "Enhancing safety in ship's critical systems using Markov Modeling" accepted for publication in International Journal of Reliability Quality and Safety Engineering

[3.22] Evangelos Mennis, Agapios Platis, Nikitas Nikitakos "Applying performability modeling in maritime risk assessment" In International Journal of Materials and Structural Reliability, p. 97-107, Vol. 6, No.1, March 2008

[3.23] Evangelos Mennis, Agapios Platis, Nikitas Nikitakos "Applying Stochastic Models in Maritime Safety", Journal of Environmental Protection and Ecology accepted for publication

[3.24] Dimitrios Dalaklis, Petros Siousouras, Nikitas Nikitakos "Enforcing Safety and Security in the Eastern Mediterranean: The Greek Effort to Implement Vessel Traffic Services" accepted for publication in International Hydrographic Review.



[3.25] N. Nikitakos, G. Fykaris ‘Autopilot adjustment using CBR’ accepted for publication in ‘International Journal of Ocean Systems Management’

[3.26] G.Georgoulis, N.Nikitakos ‘ The Burgas – Alexandroupolis pipeline, strategic and environmental issues’ pp. 29 -67, Middle east FORUM, issue 8, December 2008

[3.27] D.Dourmas, N.Nikitakos, M.Lambrou ‘ Electronic business and the concept of digital business ecosystems applied to the shipping industry; the Greek shipping case’ Journal of Management Science and Regional development, pp. 1-17, issue 6, December 2008

#### ***4. International Conferences with review in the full text***

[4.1] N.Nikitakos “Hill cipher application to multimedia security” in “Communications and Multimedia Security”, pp. 198 - 205, Chapman and Hall, 1995

[4.2] N.Nikitakos, S.Gritzalis, P.Georgiadis “Security profile for interconnected open distributed systems with varying vulnerability” in “Information Systems Security”, pp. 428 - 437, Chapman and Hall, 1996.

[4.3] I.Kirsteins, N.Nikitakos “Generalized Likelihood Ratio Test detector for moving targets in clutter” Proceedings of International Symposium on Statistical Signal and Array Processing, Corfu 24-26 June 1996.

[4.4] E. Antoniou, N.Nikitakos “Software Development and Testing for Robotic Shipyard Welding” in ‘Reliability, Quality and Safety of Software- Intensive Systems’, pp. 231-242, Chapman and Hall, 1997.

[4.5] S.Gritzalis, N.Nikitakos , P.Georgiadis ‘Formal methods for the Analysis and Design of Cryptographic protocols: A state of the art review’ Multimedia and Communications Security, Vol.3, pp. 119 - 133, Chapman and Hall, Sept. 1997.

[4.6] N.Νικητάκος, Γ.Κουπαρούσος, Α.Μαγλάρα “Ναυπηγικές Ρομποτικές συγκολλήσεις με χρήση έμπειρου συστήματος” 5ο Συνέδριο Πληροφορικής, Πρακτικά Εισηγήσεων, σελ. 403 - 411, 1995

[4.7] Σ. Γκριτζαλης, N.Νικητάκος “Κρυπτογραφικά Πρωτόκολλα σε ανοιχτά καταναμημένα συστήματα” 6ο Συνέδριο Πληροφορικής, σελ. 23 – 40, Δεκ. 1997.

[4.8] N.Nikitakos, A.Leros and S.Katsikas “On the dynamic motion of a towed array in the ocean” Proceedings of the 2<sup>nd</sup> IMACS International Conference on: Circuits, Systems and Computers, pp. 310 – 316, Vol. I, Oct.1998.

- [4.9] N.Nikitakos, A.Leros and S.Katsikas “Target estimation using multimodal partitioning techniques” Proceedings of the 5<sup>th</sup> WSES International Conference , Rethymno, pp.7131-7135, July 2000.
- [4.10] N.Nikitakos, N.Litinas “E-procurement framework for shipping” Proceedings of 1<sup>st</sup> International Conference on Electronic Business, Hong – Kong, December 2001.
- [4.11] A.B. Alexopoulos, G. Dounias, N. Nikitakos, I.N. Theotokas” A systematic Approach to tanker losses due to explosion and fire using data mining techniques” IMAM 2002 Conference CD, May 2002.
- [4.12] N.Nikitakos, T.Lilas, A.Vatistas “Shipyard welding quality control using IR techniques” in IMAM 2002 Conference CD, May 2002
- [4.13] Lambrou M.A., Nikitakos N. and Pallis A.A., “Advanced Information and Communication Technologies in support of Ports Integration in Logistics Systems”. Proceedings of the International Conference on Logistics 2004, pp. 189-198, Izmir, 2004.
- [4.14]. Stratakos, N. Nikitakos, M. Lambrou, “Potential of 4th Generation Portals in the Maritime Sector”., Proceedings of the International Association of Maritime Economists Conference, pp. 1433-1441, Izmir, 2004.
- [4.15] M.Konstantinidou, E. Mennis, N.Nikitakos, A.Platis ‘Comparison of Modelling Methodologies for the Formal Safety Assessment in Shipping Transportation’ ESREL 2004 conference CD, June 2004
- [4.16] V.Koutras , E. Mennis, N.Nikitakos, A.Platis ‘ Software rejuvenation in maritime applications’ pp.1193 – 1197 Proceeding ESREL 2005, Berlin, June 2005
- [4.17] D. Özer, N. Nikitakos, G. Cerit, E. Z. Oral ‘Analysis of the Short Sea Shipping Potential Between Turkey and the Greek Islands’ SNAME International Symposium on ship Operations, management and Economics , conference CD, May 12-13, 2005, Athens, Greece
- [4.18] G. Dourmas, N. Nikitakos, M. Lambrou ‘ The concept of Digital Business ecosystems applied to the Shipping Industry’ presented in IAME 2005 , Cyprus, 2005
- [4.19] V.Mennis, I. Lagoudis, N.Nikitakos, A.Platis ‘ Improving Formal Safety Assessment in Shipping Transportation’ pp. 1565 – 1571 Proceedings of IMAM 2005 , Portugal, September 2005
- [4.20] U. Yuruyen, H. Kesiktas, N.Nikitakos ‘ Role of Port community information systems and IT on Supply Chain performance: A comparison of Asia Hub ports Versus European Hubs on East- West Trade route’ in CD proceedings of International Conference on Business Economics and Management, Izmir Turkey June 2005
- [4.21] H.Kesiktas, U. Yuruyen, N.Nikitakos ‘ A conceptual study on coastal and cruise shipping related information communication needs’ Proceedings of International Congress of Coastal and Marine Tourism, pp. 166- 175, Cesme, Turkey, Nov. 2005
- [4.22] N.Nikitakos ‘ An Hybridic Model for small ships’ safety risk management’ (**Best paper award**) Proceedings of International Congress of Coastal and Marine Tourism, pp. 351 – 363,

Cesme, Turkey, Nov. 2005

[4.23] M.Lambrou, N.Nikitakos, A.Pallis ‘ Pervasive Shipping and Port Services’ Proceedings of The KIECA International Conference 2005, on Trade, Investment, logistics and e-Biz’, pp.347-355, Sept.2005.

[4.24] M.Lambrou, A.Polydoropoulou, N.Nikitakos, N.Litinas ‘ Personalized, Virtual maritime Self-Learning in the SLIM-VRT environment’ CD Conferneec Proceedings of the ECEL 2005: The 4<sup>th</sup> European Conferneec on e-learning. Royal Netherlands Academy of Arts & Science, Amsterdam, NL, 10-11 November 2005.

[4.24] M.Lambrou, A.Polydoropoulou, N.Nikitakos, N.Litinas ‘ Personalized, Virtual maritime Self-Learning in the SLIM-VRT environment’ CD Conferneec Proceedings of the ECREL 2005: The 4<sup>th</sup> European Conferneec on e-learning. Royal Netherlands Academy of Arts & Science, Amsterdam, NL, 10-11 November 2005.

[4.25] V.Totozian, N.Nikitakos, A.Platis ‘Hybrid model for shipping risk management’ Proceedings of 17<sup>th</sup> National Conference Hellenic Operation Research Society, June 2005.

[4.26] V.Mennis, I. Lagoudis, N.Nikitakos, A.Platis ‘ Applying reliability models to ship safety assessment’ proceeding of ERSREL 2006, vol. 3, pp. 2805- 2811 , Portugal.

[4.27] Nikolaos Marianos, Maria A. Lambrou, Nikitas Nikitakos, “Emergent Port Services in the Context of Information and Communication Technologies” in *Proceedings of the International Association of Maritime Economist (IAME) Conference 2007*, (CD-Rom) Athens, Greece, 4-6 July 2007.

[4.28] Georgios Dourmas, Nikitas Nikitakos, Maria A. Lambrou, “A Methodology for Rating and Ranking Hazards at Formal Safety Assessment using Fuzzy Logic”, in *Proceedings of Summer Safety and Reliability Seminars (SSARS 2007)*, Sopot, Poland, pp. 63-71, 22-29 July 2007.

[4.29] Georgios Dourmas, Nikitas Nikitakos, Maria A. Lambrou, “Hazards Identification and Prioritization in Formal Safety Assessment using Fuzzy Logic Theory; in *Proceedings of the International Symposium on Maritime Safety, Security and Environmental Protection*, pp 72-85, Athens, Greece, 20-21 September 2007.

[4.30] E. G. Stratakos, Ch. Nassis, N. Nikitakos, M. A. Lambrou, “IT Governance in Shipping Companies”, in *Proceedings of the Conference of International Association of Maritime Economists (IAME) 2007*, (CD-Rom) Athens, Greece, 4-6 July 2007.

[4.31] Georgios Dourmas, Nikitas Nikitakos, Maria A. Lambrou, Maria Doumi, A Methodology for Rating and Ranking Internet Business Electronic Services, in *Proceedings of the 2nd International Conference on EU-EAST and South Asia Trade, Investment, Logistics and E-Business*, pp 36-49, Chios, Greece, 9-11 October 2006.

[4.32] E. Stratakos, N. Nikitakos, M.A. Lambrou, “Present State and Prospects of Electronic Services and Applications in Greek Oceangoing Shipping Industry” in *Proceedings of the 2nd International Conference on EU-EAST and South Asia Trade, Investment, Logistics and E-Business*, pp 50-62, Chios, 9-11 Oct. 2006.

[4.33] Georgios Dourmas, Nikitas Nikitakos, Maria A. Lambrou “Maritime Network-centric

Organizations, in *Proceedings of the International Conference on Managing Global Trends and Challenges in a Turbulent Economy*, pp 18-35, Chios, Greece, 13-15 October 2005.

[4.34] K. Malagas, N. Nikitakos “The impact of e-services in a state-owned airline” , Proceedings of IFSPA 2008, 25-28 may 2008, Hong Kong

[4.35] V. Pyrkatis, N. Nikitakos ‘Factors driving shipping companies to IT outsourcing’ , Proceedings of IFSPA 2008, 25-28 may 2008, Hong Kong

[4.36] N. Nikitakos, G. Fykaris ‘ POLARIS, a decision support system for maritime policy and management’ Vol 1, pp. 541 -549 in ‘Maritime Industry, Ocean Engineering and Coastal Resources, IMAM 2007

[ 4. 37] T.Lilas, A. Glykas, I. Tsarouxas, N. Nikitakos ‘Stress and fatigue analysis of a floating desalination platform’ Proceedings of SNAME 2008

[4.38] T.Lilas, N. Nikitakos et. all ‘ Floating Autonomous and Environmental Friendly desalination Unit ‘ proceeding of 10<sup>th</sup> International Conference on Environmental Science and Technology , Kos island, 5-7 September 2007, Greece

[4.39] G. Georgoulis, N. Nikitakos ‘ Bridge ergonomics and usability of navigational system as a safety and quality feature’ pp. 241- 263 Proceedings of IMLA 16<sup>th</sup> conference on MET, Izmir, Turkey, 14-17 October 2008

[4.40] N. Nikitakos, I. Sirris ‘ An educational Approach of Game based Informal Learning in maritime’ pp. 79- 91 Proceedings of IMLA 16<sup>th</sup> conference on MET, Izmir, Turkey, 14-17 October 2008

[4.41] I. Sirris, N. Nikitakos ‘Game based learning for Seafarers: A frame work for Instructional game design for Safety in maritime navigation’ pp. 421 – 429 Proceeding of Transnav 2007, Gdynia, Poland

[4.42] N. Nikitakos , G. Fykaris ‘ Polaris, αυτόματη Πλοήγηση Πλοίου με χρήση εμπειρου συστήματος’ σελ..146 – 160 Βίβλος Ναυτικής Τεχνολογίας 2007, ELINT

[4.43] Γ. Γεωργούλης, Ν. Νικητάκος «Η εργονομία της γέφυρας του πλοίου και η ευχρηστία των ναυτιλιακών συστημάτων γέφυρας ως χαρακτηριστικό ασφάλειας». Ετήσια Συνάντηση Ναυτικής Τεχνολογίας 2008, 27-28 Νοεμβρίου, ELINT,

[4.44] T. Lilas, N. Nikitakos’ Fighting water scarcity in small Aegean islands using renewable energies’ proceedings of Black sea policy Conference Energy Investments and Trade. Athens, September 2008

[4.45] K.Malagas, N. Nikitakos ‘Introduction of electronic services in an airline: Change management issues’ proceeding of 2008 Air Transportation Research Society Conference, 6-9 July, Athens, Greece.

[4.46] A. Tsakonas, G. Dounias and N Nikitakos ‘Active Sonar Target Identification Using Evolutionary Neural Logic Networks’ proceeding of NeSy’06 Second International

Workshop on Neural-Symbolic Learning and Reasoning ,Workshop at [ECAI2006](#), Riva del Garda, Italy, 29th of August 2006

[4.47] G. Dourmas, N. Nikitakos & G. Marinakis ‘Maritime Add-On Solutions as Training Tool’ proceedings of Microsoft Dynamics’ Convergence 2008, November 19-20 Copenhagen, Denmark

[4.48] N. Marianos, M. Lambrou and N.Nikitakos ‘ Emergent port services in the context of information and communication technologies’ Proceedings of 8<sup>th</sup> International Conference on Research and Development in mechanical Industry’ pp. 970 - 982 , 14-17 September 2008, Uzice, Serbia.

[4.49] K. Kotis, A. Papasalouros, N. Nikitakos ‘ Supporting Decision Making in Maritime Environmental Protection with a Knowledge-based Education and Awareness Approach’. Artificial Intelligence Applications in Environmental Protection Workshop, collocated with 5th IFIP Conference on Artificial Intelligence Applications and Innovations (AIAI) 23-25 April, Thessaloniki, Greece

[4.50] T.Kostis, K.Galanis, N.Nikitakos ‘Inferometric Inverse Synthetic Aperture Radar Simulator Software: Analysis for Air Defense at Sea Electronic Warfare Applications’ Proceedings of NATO- RTO – SET – 136, on Software Defined Radars, Lisbon, Portugal, June 2009

[4.51] K. Malagas, N.Nikitakos, M. Ampartzaki The Change process in a State-owned Airline:The implementation of new electronic Services’ proceedings of IFSPA 2009, pp.323 – 334, 25 -26 May 2009, Hong Kong,

[4.52] N. Nikitakos, G. Fikaris ‘ Maritime Policy using multilayer CBR’ Proceeding of IFSPA 2009, (International Forum of Shipping , Ports and Airports ), pp. 350 – 361, 25-26 May 2009, Hong Kong,

[4.53] Nikitas Nikitakos, George Fikaris ‘Marine Navigation Using Expert System’ proceedings of TransNav 09, pp. , June 17-19 2009, Gdynia Poland

[4.54] M.Mennis, A,Platis, N,Nikitakos Ship’s ‘Diesel electrical system availability modeling’ proceeding of SSARS 2009, pp. , 19-25 July 2009, Sopot Poland.

[4.55] G.Dourmas, N.Nikitakos ‘A new approach to the Digital Maritime Economy’ Proceedings of EMCIS2009, 13-14 July 2009, Izmir, Turkey

[4.56] N.Nikitakos ‘ Floating autonomous desalination unit using renewable energies’ (invited paper) Proceeding of 15<sup>th</sup> Health related Water Microbiology Symposium 31.05 – 05.06 .2009 Naxos, Greece

##### ***5. International Conferences with abstract’s review (until 2005)***

- [5.1]. Ν.Ουζούνου, Π.Φράγκος, N.Νικητάκος “Υπολογισμός συχνοτήτων συντονισμού συνθέτων αντικειμένων” 1st Workshop on Wave Propagation problems, March 1991, Heraklio, Creta
- [5.2] P.Frangos, N.Nikitakos, N.Uzunoglu “ Calculation of the natural frequencies of complex objects using a finite element near field computation method “ Proceeding of the 3rd International Conference on Electromagnetics in Aerospace Applications, Torino, Sept. 1993.
- [5.3] N.Nikitakos, E.Antoniou, G.Kouparousos “Shipyard Welding Modelling using CIM” Proceeding of IMAM 95 Congress, Dubrovnik, Croatia, April 1995.
- [5.4] P.Frangos, N.Nikitakos, N.Uzunoglu “Electromagnetic field of a plane trapezoid of uniform distribution of current” in Proceedings of the 8th International Symposium on Theoretical Electrical Engineering, Thessaloniki, September, Sept. 1995
- [5.5] C.Chondrokoukis, N.Nikitakos, S.Skaribas “ A Group Decision Support System Design for a shiprepairing Facility” proceedings of 3rd Balkan Conference on Operational Research, Thessalonike 16-19 Sept. 1995
- [5.6] P.Frangos, N.Nikitakos, N.Uzunoglu “Scattering of electromagnetic waves from conducting objects of arbitrary shape using a finite element near field computation method” in Proceedings of Trans Black Sea Region Symposium on Applied Electromagnetism, Metsovo Greece, 17-19 April 1996.
- [5.7] N.Nikitakos, S.Stergiopoulos, D.R. Munn, W.Robertson “Consideration of Correlation Properties of Anisotropic Noise in Signal processing Schemes providing improvements of Signal - to - Noise Ratio at the single sensor” Proceedings of 3rd European Conference on Underwater Acoustics, pp. 489 - 495, Vol. I, 1996
- [5.8] A.Leros, N.Nikitakos and S.Katsikas “An adaptive technique for towed array shape estimation” Proceedings of 3rd European Conference on Underwater Acoustics, pp. 1043 - 1049 , Vol. I, 1996
- [5.9] N.Nikitakos, S.Stergiopoulos “Improvements of SNR for signals embedded in correlated noise fields” Proceedings of The Circuits, Systems and Computers’ 96, Vol.1, pp. 71-76, July 1996
- [5.10] N.Νικητάκος “Εφοδιαστική Υποστήριξη με χρήση υπολογιστικών εργαλείων ανάλυσης συστημάτων” Πρακτικά 2ου Πανελληνίου Συνεδρίου Logistics ’97, σελ. 186 – 193, Σεπτ. 1997.
- [5.11] N.Nikitakos “ATM Application in Naval Systems” Proceedings of the International Conference on “The Naval Technology for 21<sup>st</sup> Century”, 29-30 June 1998.
- [5.12] N.Nikitakos, I.P.Kirsteins “An Optimum Detector for Moving Targets In Heavy Interference” Proceedings of the International Conference on “The Naval Technology for 21<sup>st</sup> Century”, 29-30 June 1998.
- [5.13] N.Νικητάκος “Τεχνολογικές Μεταβολές, Λειτουργικότητα και Logistics” Πρακτικά 3ου Πανελληνίου Συνεδρίου Logistics ’98, σελ. 194 – 201, Σεπτ. 1998.

- [5.14] N.Nikitakos, A.Leros and S.Katsikas “ Multiple Source Localization using Partitioning Algorithms” Proceedings of Oceans’ 98 IEEE Conference , pp. 1418 – 1421, Oct.1998.
- [5.15] N. Nikitakos, S. Gritzalis “Risk management for new information technology insertion in a shipping company “ Proceedings of 13<sup>th</sup> National Conference Hellenic Operation Research Society, December 2000.
- [5.16] N.Nikitakos “Software Safety and reliability for shipboard applications” Proceeding of the 2<sup>nd</sup> International Conference on Safety of Maritime Transport, Chios, June 2001
- [5.17] N.Nikitakos, T.Lilas, A. Vastistas “Intelligent Shipyard Robotic Welding System”, CD Proceeding of the International Conference “Shipping: Technology and Environment”, September 2001.
- [5.18] N.Nikitakos “Sparing level prediction using computer-based tools” Proceeding of the 17<sup>th</sup> International Logistigs Congress, Thessaloniki, pp.101 – 107 , October 2001.
- [5.19] N. Nikitakos "Secure wireless communication infrastructure for sustainable tourism development" στο ‘Βιώσιμη Τουριστική Ανάπτυξη και Περιβάλλον’ Χίος Οκτ. 2003
- [5.20] N.Nikitakos ‘ Submarine technology and tactics during IIWW’ presented at International Maritime History symposium , Corfu, June 2004
- [5.21] N.Nikitakos ‘ New trends in maritime education and training’ Digital ship Athens 2003, Nov. 2003, available at [www.thedigitalship.com](http://www.thedigitalship.com)
- [5.22] N.Nikitakos ‘Risk Management for the insertion of new information technologies in maritime sector’ Digital Ship Cyprus 2004, Jan. 2004, available at [www.thedigitalship.com](http://www.thedigitalship.com)
- [5.23] N.Nikitakos ‘ Tailoring software for shipboard applications’ Digital Ship Cyprus 2005 Jan. 2005, available at [www.thedigitalship.com](http://www.thedigitalship.com)
- [5.24] N.Nikitakos, E.Tzannatos ‘Hellenic Naval Shipyards: Current situation and future perspectives’ in 2<sup>nd</sup> International Conference on Defence, Security and Economic Development, 18-20 June 2004, Greece
- [5.25] G.Dourmas, N.Nikitakos ‘Network-centric organization and defence planning’ in 2<sup>nd</sup> International Conference on Defence, Security and Economic Development, 18-20 June 2004, Greece
- [5.26] Νικητάκος Ν., Λίλας Θ. , Μαγλαρά Α. Βατίστας Α., Συρσελούδης Χ. ‘Πλωτή Αυτόνομη Αποδοτική Οικολογική Μονάδα Αφαλάτωσης’ RENES 2005, Athens
- [5.27] I. Syrris, N.Nikitakos ‘Game Based Learning for Seafarers’ Πανελλήνιο Επιστημονικό Συνεδριο – Νέες Τεχνολογίες στην δια Βίου Μάθηση’ , Λαμία, 16-17 Απριλίου 2005
- [5.27] G. Dourmas, N. Nikitakos, M. Lambrou ‘ ICT adoption and the concept of digital business ecosystems applied to the shipping industry: the Greek shipping case.’ Proceedings of the International Conference ‘ Managing Global Trends and Challenges in a Turbulent Economy’, Chios 11-13 October 2005

[5.28] G.Dourmas, N.Nikitakos 'Digital Business Ecosystems and network Centric Warfare' Proceeding of Network Centric Defense Conference, Athens 9-10 Nov. 2005, available at [www.ncw.gr](http://www.ncw.gr)