

NATIONAL TECHNICAL UNIVERSITY OF ATHENS
SCHOOL OF NAVAL ARCHITECTURE AND MARINE ENGINEERING
DIVISION OF SHIP DESIGN AND MARITIME TRANSPORT

Laboratory for Maritime Transport

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LMT THESAURUS 2012

ATHENS, GREECE | MARCH 2012

thesaurus, n. (Oxford English Dictionary)

Pronunciation: /θi:'sɔ:rəs/

Etymology: Latin, < Greek *θησαυρός* a store, treasure, storehouse, treasury.

a. A 'treasury' or 'storehouse' of knowledge, as a dictionary, encyclopædia, or the like.

b. A collection of concepts or words arranged according to sense; also (U.S.) a dictionary of synonyms and antonyms.

c. A classified list of terms, esp. key-words, in a particular field, for use in indexing and information retrieval.

FOREWORD

21/3/2012

Dear LMT friend,

We named this document the "LMT Thesaurus". It is a compilation of facts regarding the Laboratory for Maritime Transport and its people. It contains various lists of publications, projects, theses, and awards associated with LMT. It does not purport to be encyclopedic, but hopefully gives a concise picture of LMT activities. Details of these activities can be found from supplementary material, such as the LMT web site, various project web sites, LMT newsletters and annual reports, and the publications themselves.

The publications and awards that are listed are all those of LMT faculty, staff and students, even though some of them were produced outside LMT. Projects and student theses are only those associated with LMT.

We hope that you will find the contents of this document interesting, and any comments are welcome.

Best regards,

Harilaos N. Psaraftis
Professor and LMT Director



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Laboratory for Maritime Transport

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NATIONAL TECHNICAL UNIVERSITY OF ATHENS

HISTORY

The establishment of Laboratory for Maritime Transport (LMT) was officially approved by the NTUA Senate in May 2006. Until then, and since 1989, LMT functioned as a research and educational unit within the School of Naval Architecture and Marine Engineering (NAME), known as 'NTUA Maritime Transport'. LMT holds a long-standing experience in the design, development and simulation of maritime and intermodal transport, marine environmental protection, safety analysis and human elements. Following Greece's rich maritime tradition, LMT is active in practically all areas of maritime transport R&D, having completed or being involved in projects in areas such as technology, management, economics, logistics, telematics, human aspects, environment, and safety. It has also been involved in projects and studies with a substantial policy analysis element. Linking R&D with education, LMT is also fully active in the School's undergraduate and post-graduate educational programs.

Research activities of LMT have focused on the design, development and evaluation of maritime transport networks, procedures and functions that cover numerous aspects of maritime transport using modern and advanced methodologies, the design and analysis of marine environment systems, and the cost-benefit evaluation and optimization of maritime and intermodal networks. LMT supports a new approach concerning the strategic analysis of marine oil pollution. LMT has carried out a systematic effort to develop skills and know-how in the design and evaluation of recorded problems of marine safety aspects (e.g. accident databases etc.). The development of relative databases, the formulation of innovative analytical approaches (e.g. statistic, data mining, strategic etc.) and the configuration of corresponding electronic networks (for information transferring and elaboration) have always been a direct priority of LMT.

FIND OUT MORE

The National Technical University of Athens (NTUA) is the oldest and largest engineering university in Greece

[HTTP://WWW.NTUA.GR](http://www.ntua.gr)

The School of Naval Architecture and Marine Engineering (NAME) is actively involved in practically all fields of basic and applied research

[HTTP://WWW.DESLAB.NTUA.GR](http://www.deslab.ntua.gr)

Laboratory for Maritime Transport

[HTTP://WWW.MARTRANS.ORG](http://www.martrans.org)

STAFF

FACULTY



HARILAOS N. PSARAFTIS
Professor
LMT Director



DIMITRIOS V. LYRIDIS
Assistant Professor



NIKOLAOS P. VENTIKOS
Assistant Professor

other staff

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POST-DOC	Christos Kontovas Panagiotis Zacharioudakis
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HONORS AND AWARDS

INDUSTRY AWARDS

LABORATORY FOR MARITIME TRANSPORT

Award for Achievement in Maritime Safety or Environmental Protection, awarded by Lloyds List in the context of the Greek Shipping Awards (2010)

Piraeus International Centre Award, awarded by Lloyds List in the context of the Greek Shipping Awards (2008).



Professor Harilaos Psaraftis (left), receives the 2010 award from David Moorhouse CBE, retiring chairman of Lloyd's Register's Board of Trustees and the Lloyd's Register Group



Professor Harilaos Psaraftis (left) after accepting the 2008 award from Dimitris Vranopoulos of Marine Plus.

PSARAFTIS, H.N.

Eykranti 2011 Award for the best representation of the Greek Shipping Industry (together with P. Zachariadis). Awarded by "Naftika Chronika" magazine (2012).



Professors C. Chlomoudis and V. Tselentis of the University of Piraeus (first and second from right) congratulate Professor H. Psaraftis and P. Zachariadis of Atlantic Bulk Carriers Management Ltd. for the 2011 Eykranti award on the best representation of the Greek shipping industry.



Ass. Professor D. Lyridis (right) after presenting the "Manager of the Year" award to Mr. Poulouvassilis, Lloyd's Register Regional Marine Manager for Europe, Middle East & Africa at the Eykranti awards.

LIST OF HONORS AND AWARDS

BY LMT AND LMT AFFILIATED FACULTY, STAFF AND STUDENTS | *RECIPIENTS AND AWARDS ARE LISTED IN CHRONOLOGICAL ORDER*

1. Psaraftis, H.N., Fellowship, NTUA (1969-74).
2. Psaraftis, H.N., Honorary Award, Contest of Hellenic Mathematical Society (1969).
3. Psaraftis, H.N., Bourse d'Etudes Superieures, French Government (declined, to accept offer from MIT) (1974).
4. Psaraftis, H.N., Henry L. Doherty Professorship in Ocean Utilization, MIT (1979-1981).
5. Psaraftis, H.N., First Prize, PhD Dissertation Contest, Transportation Science Section of the Operations Research Society of America. Thesis Title: "Dynamic Programming Algorithms for Specially Structured Sequencing and Routing Problems in Transportation", MIT. Supervisor: Prof. A. R. Odoni (1979).
6. Lyridis, D.V., Establishment for State Scholarships (IKY), Awards 3rd, 4th, 5th Year of Studies in the School of Naval Architecture & Marine Engineering, National Technical University of Athens, (1985, 1986, 1987).
7. Lyridis, D.V., Distinguished Achievement Award – Graduate, School of Naval Architecture & Marine Engineering, The University of Michigan (Ann Arbor, MI, USA), May 1990.
8. Schinas, O., Honorary Award, Technical Chamber of Greece, NTUA Diploma Thesis "The carriage of goods between Greece and the rest of Europe: status and prospects" (1994).
9. Ventikos, N. P., Honorary Award, Technical Chamber of Greece, NTUA Diploma Thesis "Oil Spill Control Programme" (1996).
10. Ventikos, N. P., Environmental Award "G.P. Livanos", sponsored by the Hellenic Chamber of Shipping for project "Oil Spill Control Program" (2000).
11. Lyridis, D. V., Zacharioudakis, P., and Ousantzopoulos, G., Best Paper Award in the Annual Conference of the International Association of Maritime Economists, IAME 2004, Izmir, Turkey (for the paper "A Multi-Regression Approach to Forecasting Freight Rates in the Dry Bulk Shipping Market using Neural Networks", Proceedings of the Conference Vol. II, pp.797-811).
12. Nitsopoulos, S. First prize, SNAME Greek Section's Diploma Thesis Contest for 2006. Thesis title: "The Renewal of the Mediterranean Short Sea Cargo Fleet, as a Strategy for the Development of Short Sea Shipping", NTUA. Supervisor: Prof. H. N. Psaraftis (2006).
13. Rousos, E.P.C., Honorary distinction by the Republic of Cyprus for diploma thesis "Inspections of Ships with Cypriot Flag: The Development of a Stochastic Framework for Flag State Policy Making", NTUA. Supervisor: Dr. N. P. Ventikos (2007).
14. Rousos, E.P.C., First prize in IMAREST contest for diploma thesis "Inspections of Ships with Cypriot Flag: The Development of a Stochastic Framework for Flag State Policy Making" Supervisor: Dr. N. P. Ventikos (2008).
15. Vasileiou, V., Papageorgiou, I, Second prize in IMAREST contest for their NTUA thesis "Simulation Model for Container Loading/Unloading Procedures and Decisions in Terminal Stations" NTUA. Supervisor: Dr. N. P. Ventikos (2008).
16. Laboratory for Maritime Transport, Piraeus International Centre Award, awarded by Lloyds List in the context of the Greek Shipping Awards (2008).
17. Psaraftis, H. N., Fellow, Society of Naval Architects and Marine Engineers (SNAME) (as of 2009).
18. Ventikos, N.P., Letter of Congratulations by the Rector of NTUA for the services provided during the oil removal operation from the shipwreck of Sea Diamond held in the island of Santorini, Greece (2009).
19. Kontoris, P., First prize in IMAREST contest for diploma thesis "Management of Sewage Onboard Ships", NTUA. Supervisor: Dr. N. P. Ventikos (2009).
20. Laboratory for Maritime Transport, Award for Achievement in Maritime Safety or Environmental Protection, awarded by Lloyds List in the context of the Greek Shipping Awards (2010).
21. Asimomitis, I, Special award in IMAREST contest for diploma thesis "Methodologies of Recording, Monitoring and Analysis of Ship Operational Data as a Safety Improvement Measure" Supervisor: Dr. N. P. Ventikos (2010).
22. Vagias, N, First prize in IMAREST contest for diploma thesis "A Bayesian Network Application for the Prediction of Human Fatigue in the Marine Industry", NTUA. Supervisor: Dr. N. P. Ventikos (2011).
23. Psaraftis, H.N., Eykranti 2011 Award for the best representation of the Greek Shipping Industry (together with P. Zachariadis). Awarded by "Naftika Chronika" magazine (2012).
24. Sotiralis, P., First prize , SNAME Greek Section's diploma thesis contest for 2011 Thesis title: "Analysis of Probabilistic Oil Outflow from Tankers: Quantities & Costs", NTUA. Supervisor: Dr. N. P. Ventikos (2012).

PUBLICATIONS

BY LMT AFFILIATED FACULTY, STAFF AND STUDENTS (LISTED ALPHABETICALLY)

PAPERS IN REFEREED JOURNALS

1. Ceder, A., G. G. Tharakan, H. N. Psaraftis (2001), "A Synthesis Algorithm for Responding to Oil Spills Using complementary Locations on Networks," *Applied Mathematical Modelling Journal* 25, No.4, 269-285.
2. Gemelos I.C. and N.P. Ventikos (2008), "Safety in Greek Coastal Shipping: the Role and Risk of Human Factor Revisited", *WMU Journal of Maritime Affairs*, vol. 7, No 1 Malmo, Sweden, pp. 31-49.
3. Gkonis, K. G and H.N. Psaraftis (2009), "The LNG Market and a Game Theory Approach to Competition in LNG Shipping", *Maritime Economics and Logistics*, 11:2, pp. 227-246.
4. Gkonis, K.G. and H.N. Psaraftis (2010), "Container transportation as an Interdependent Security problem", *Journal of Transportation Security*, 3:197-211.
5. Gratsos, G.A., H.N. Psaraftis, P. Zachariadis (2010), "Life-cycle CO₂ emissions of bulk carriers: A Comparative Study", *Transactions RINA, Vol 152, Part A3, International Journal of Maritime Engineering*, Jul-Sep 2010, pp. A 119-A 134.
6. Gregoriou E., N.P. Ventikos, N.M.P. Kakalis (2009), "Oil Spill Waste Management", *Environment & Law*, vol. 1/2009, Athens, Greece, pp.52-58.
7. Jaw, J-J,A.R.Odoni, H.N.Psaraftis, N.H.M.Wilson (1986), "A Heuristic Algorithm for the Multi-Vehicle Advance-Request Dial-A-Ride Problem with Time Windows," *Transportation Research 20B*, No.3, 243-257.
8. Kontovas, C.A. and H.N. Psaraftis (2009), "Formal Safety Assessment: A Critical Review," *Marine Technology*, Vol. 46, No. 1, pp. 45-59.
9. Kontovas, C.A. and H. N. Psaraftis (2011), "Reduction of emissions along the maritime intermodal container chain: operational models and policies," *Maritime Policy and Management* Vol. 38, No. 4, pp 451-469.
10. Kontovas, C.A. and H. N. Psaraftis, (2011), "Climate Change Policy in Shipping Focusing on Emission Standards and Technology Measures", *Environmental Engineering and Management Journal*, Vol. 10, Issue 10, pp.1589-1596.
11. Kontovas, C.A., H.N Psaraftis, N.P. Ventikos (2010), "An Empirical Analysis of IOPCF Oil Spill Cost Data", *Marine Pollution Bulletin*, 60:9, pp.1455-1466.
12. Lyridis D.V., H.N. Psaraftis, N.P. Ventikos, P. Zacharioudakis and K. Dilzas, (2005), "Cost-Benefit Analysis for Ship Automation Retrofit: the Case of Icebreaker FREJ", *Marine Technology*, Vol.42, No 2, April.
13. Lyridis D.V., P. Zacharioudakis, P. Mitrou, and A. Mylonas (2004), "Forecasting Tanker Market Using Artificial Neural Networks", *Maritime Economics and Logistics*, Vol.6, No 2, June 2004, pp. 93-108.
14. Lyridis D.V., T. Fyrvik, G.N. Kapetanis, N.P. Ventikos, P. Anaxagorou, E. Uthaug and H.N. Psaraftis (2005), "Optimizing Shipping Company Operations Using Business Process Modeling", *Maritime Policy and Management*, vol. 32, No. 4, London, UK.
15. Lyridis, D. V., A. N. Perakis, and M. G. Parsons (1994), "Structural Reliability Analysis of Marine Diesel Shafting Systems: an Equivalent Stationary Process Approach to the Level Crossing Problem," *Journal of Ship Research*, Vol. 38, No. 3, pp. 253-258.
16. Lyridis, D. V., M.G. Parsons and A.N. Perakis (1995), "A Statistical Assessment of the Stochastic Modeling of Torsional Vibratory Loads in Internal Combustion Engines," *Journal of Ship Research*, Vol. 39, No 1, March, 1995, pp. 76-85.
17. Lyridis, D.V. and P. Zacharioudakis (2012), "Assessment of Investment Risk in Greek Short Sea Shipping: A Ro-Ro Passenger Ferry Case", *Journal of Shipping and Ocean Engineering* Vol. 2 pp.36-44.
18. Lyridis, D.V., N.P. Ventikos, P. Zacharioudakis, K. Dilzas and H.N. Psaraftis (2005), "An Innovative Crew Composition Approach Based on Safety, Financial, and Operational Requirements," *WMU Journal of Maritime Affairs*, Vol. 4, No. 1, pp.35-37.
19. Meyer - Larsen N., D.V. Lyridis, R. Muller, P. G. Zacharioudakis (2012), "Improving intermodal container logistics and security by RFID", *International Journal of RF Technologies: Research and Applications*, Vol. 3, No 1, pp.15-38.
20. Nitsopoulos, S. and H.N. Psaraftis (2008), "The Role of Mediterranean Short Sea Shipping in the EU Transport Chain: the case of Greece," *WMU Journal of Maritime Affairs*, Vol. 7, No. 1, 17-30.
21. Perakis, A. N. and D.V. Lyridis (1990), "Level Crossing Probabilities for Multipath Acoustic Processes with Bimodal Spectra," *Journal of the Acoustical Society of America*, Vol. 87, No 5, pp. 2122-2127.
22. Perakis,A.N. and H.N. Psaraftis (1983), "Discrete-Time Detection Modelling for Unsaturated Ocean Acoustic Propagation," *Journal of the Acoustical Society of America* 74, No.5, 1630-1633.
23. Psaraftis, H.N. (1978), "Some New Aspects of Slamming Probability Theory," *Journal of Ship Research* 22, No.3, 186-192, 1978.

24. Psaraftis, H.N. (1980), "A Dynamic Programming Approach for Sequencing Groups of Identical Jobs," *Operations Research* 23, No.6,1347-1359.
25. Psaraftis, H.N. (1980), "A Dynamic Programming Solution to the Single-Vehicle Many-to-Many Immediate-Request Dial-A-Ride Problem," *Transportation Science* 14, No.2, 130-154.
26. Psaraftis, H.N. (1983), "An Exact Algorithm for the Single-Vehicle Many-to-Many Dial-A-Ride Problem with Time Windows," technical note, *Transportation Science* 17, No.3, 351-357.
27. Psaraftis, H.N. (1983), "Analysis of an $O(N^2)$ Heuristic for the Single-Vehicle Many-to-Many Euclidean Dial-A-Ride Problem," *Transportation Research* 17B, No.2, 133-145.
28. Psaraftis, H.N. (1983), "k-Interchange Procedures for Local Search in a Precedence- Constrained Routing Problem," *European Journal of Operational Research* 13, No.4, 391-402.
29. Psaraftis, H.N. (1984), "On the Practical Importance of Asymptotic Optimality in Certain Heuristic Algorithms," *Networks* 14, No.4 587-596.
30. Psaraftis, H.N. (1986), "Scheduling Large-Scale Advance-Request Dial-A-Ride Systems," *American Journal of Mathematical and Management Sciences* 6, Nos.3-4, (special issue on vehicle routing with time windows) 327-367.
31. Psaraftis, H.N. (1993), "Probabilistic Ship Structural Analysis: An Incorrect Way to Compute the Probability of Failure," technical note, *Marine Technology* 30, No. 1, 28-29.
32. Psaraftis, H.N. (1995), "Dynamic Vehicle Routing: Status and Prospects," *Annals of Operations Research* 61, 143-164.
33. Psaraftis, H.N. (2002), "Maritime Safety: To Be or Not to Be Proactive," *WMU Journal of Maritime Affairs* 1, 3-16.
34. Psaraftis, H.N. (2005), "EU Ports Policy: Where do we Go from Here?" *Maritime Economics and Logistics*, 7, pp. 73-82.
35. Psaraftis, H.N. (2005), "Tariff Reform in the Port of Piraeus: A Practical Approach," *Maritime Economics and Logistics*, No. 7, pp. 356-381.
36. Psaraftis, H.N. (2006), "Maritime Safety in the Post-Prestige Era," *Marine Technology*, Vol. 43, No. 2, pp. 85-90.
37. Psaraftis, H. N. (2008), "Environmental Risk Evaluation Criteria," *WMU Journal of Maritime Affairs*, Vol. 7, 2, 411-430.
38. Psaraftis, H.N. (2011), "A multi-commodity, capacitated pickup and delivery problem: The single and two-vehicle cases," *European Journal of Operational Research* 215, pp. 572-580.
39. Psaraftis, H. N. and A. A. Pallis, (2012), "Concession of the Piraeus container terminal: turbulent times and the quest for competitiveness," *Maritime Policy and Management* Vol. 39, No.1, pp 27-43.
40. Psaraftis, H.N. and A.N. Perakis (1982), "A Basic Problem of Resource Allocation in Target Tracking," *Journal of the Acoustical Society of America* 72, No.3, 824-833.
41. Psaraftis, H.N. and A.N. Perakis (1984), "A Sequential Hypothesis Testing, Optimal Stopping Problem in Underwater Acoustic Detection," *Journal if the Acoustical Society of America* 75, No.3, 859-865.
42. Psaraftis, H.N. and B.O.Ziogas (1985), "A Tactical Decision Algorithm for the Optimal Dispatching of Oil Spill Cleanup Equipment," *Management Science* 31, No.12, 1475-1491.
43. Psaraftis, H.N. and C.A. Kontovas (2009), "CO₂ Emissions Statistics for the World Commercial Fleet", *WMU Journal of Maritime Affairs*, 8:1, pp. 1-25.
44. Psaraftis, H.N. and C.A. Kontovas (2010) "Balancing the Economic and Environmental Performance of Maritime Transportation", *Transportation Research* 15D, 458-462.
45. Psaraftis, H.N. and J.N.Tsitsiklis (1993), "Dynamic Shortest Paths in Acyclic Networks with Markovian Arc Costs," *Operations Research* 41, No. 1 (special issue on Dynamic and Stochastic Transportation Models).
46. Psaraftis, H.N. and C.A. Kontovas (2009), "A web-based open emissions calculator", *Int. J. Ocean Systems Management*, Vol. 1, No. 2.
47. Psaraftis, H.N., A.N.Perakis and P.N. Mikhalevsky (1981), "On a New Model for the Ocean Acoustic Detection Process," *Journal of the Acoustical Association of America* 69, No.6, 1724-1734.
48. Psaraftis, H.N., G.G.Tharakan and A.Ceder (1986), "Optimal Response to Oil Spills: The Strategic Decision Case," *Operations Research* 34, No.2, 203-217.
49. Psaraftis, H.N., M.M Solomon, T.L.Magnanti and T.U. Kim (1990), "Routing and Scheduling on a Shoreline with Release Times," *Management Science* 36, No.2 212-223.
50. Roussos E.P.C. and N.P. Ventikos (2008), "Flag State Policy Making in a Novel Stochastic Framework", *WMU Journal of Maritime Affairs*, vol. 7, No 2, Malmo, Sweden, pp. 385-407.
51. Samuelides E.S., N.P. Ventikos and I.C. Gemelos (2009), "Survey on Grounding Incidents: Statistical Analysis and Risk Assessment", *Ships and Offshore Structures*, Taylor & Francis, vol. 4, No. 1, London, UK, pp. 55-68.
52. Thompson, P.M. and H.N.Psaraftis (1993), "Cyclic Transfer Algorithms for Multi-Vehicle Routing and Scheduling Problems," *Operations Research* 41, No. 5, 935-946, 1993.

53. Ventikos N.P. and H.N. Psaraftis (2004), "Spill Incident Modeling: A Critical Survey of the Event-Decision Network in the Context of IMO's Formal Safety Assessment", *Journal of Hazardous Materials*, Elsevier Science, Issues 1-2, vol. 107, pp. 59-66.
54. Ventikos N.P., A.B. Alexopoulos and H.N. Psaraftis (2005), "Design of a Database Application for Oil Spill Incidents: A Pro-Active Analysis for the Mediterranean Sea", *Management Science and Regional Development: An International & Interdisciplinary Journal*, CP International Association, vol. 5, Athens, Greece, pp. 7-30.
55. Ventikos N.P., E. Vergetis, H.N. Psaraftis and G. Triantafyllou (2004), "A High-Level Synthesis of Response Equipment for Multi-Type Confronting of Oil Spill Incidents/Accidents", *Journal of Hazardous Materials*, Elsevier Science, Issues 1-2, vol. 107, pp. 51-58.
56. Ventikos N.P., K. Lambrinakis, S.C. Nitsopoulos, D.V. Lyridis (2007), "Fires/Explosions Onboard Greek Vessels: The Hazards, the Records & the Statistical Trends", *Journal of Harbin Engineering University*, Editorial Department of Journal of HEU, vol. 27 Suppl. (ISSN: 1006-7043), Harbin, China, pp. 1-8.
57. Zacharioudakis, P., S. Iordanis, D.V. Lyridis and H.N. Psaraftis (2011), "Liner shipping cycle cost modelling, fleet deployment optimization and what-if analysis", *Maritime Economics & Logistics*, Vol. 13, No.3, pp. 278-297.

PAPERS IN REFEREED CONFERENCES

1. Boulougouris E.K., A.D. Papanikolaou, Y. Le Corre, F. Ghozlan, O.Turan, N.M.P. Kakalis, Y.P. Ventikos, D. Fritsch, V. Campos and N.P. Ventikos (2007), "Efficient Oil Spill Confrontation by Innovative EU-MOP Units", *Proceedings of the International Symposium on Maritime Safety, Security and Environmental Protection (SSE07)*, Athens, Greece.
 2. Buzbuchi, N. C., D. P. Taraza and D. V. Lyridis (1995), "Theoretical and Experimental Study of the Torsional, Bending and Axial Coupled Vibration of Marine Diesel Engine Shafting System," In *Bulletin of the Marine Engineering Society in Japan (MESJ)*, the Fifth International Symposium of Marine Engineering, Yokohama, Japan.
 3. Chatzinikolaou S.D. and N.P. Ventikos (2011), "Sustainable maritime transport: an operational definition", *Sustainable Maritime Transportation and Exploitation of Sea Resources (IMAM 2011)*, Edited by: E. Rizzuto, C. Guedes Soares, CRC Press, vol. 2, pp. 931-939.
 4. Chatzinikolaou S.D., S.C. Nitsopoulos and N.P. Ventikos (2007), "Shipboard Wastes: Elements & Critical Review", *Proceedings of the International Conference of Environmental Management, Engineering, Planning and Economics*, (Eds: Kungolos A., Aravossis K., Karagiannidis A., Samaras P.), Skiathos, Greece,, vol, III, pp. 1597-1602.
 5. Corres, A.J. and H.N. Psaraftis (2005), "A Generic Ship for the Shortsea Trades of the EU," *1st International Symposium on Ship Operations, Management and Economics*," SNAME Greek Section, Athens.
 6. D.V. Lyridis, Ch.N. Stefanakos and P.G. Zacharioudakis (2007), "A Study On The Evolution Of Second-hand Market Of Tankers During The Years 2004-2007", *IMAM 2007*.
 7. Dilzas K.P., P.A. Bartzis, D.V. Lyridis, N.P. Ventikos, P. Anaxagorou, H.N. Psaraftis (2002), "Optimizing Manpower On-Board Ships Targeting to the Increase of the Competitiveness of the EU Fleet the Case of a Ship Oriented Automation Electronic Tool (ACOSTOSTM)," *10th International Congress of the International Maritime Association of the Mediterranean (IMAM)*, May 2002, Rethymno, Crete,
 8. Gemelos I.C. and N.P. Ventikos (2007), "Accidents in Greek Coastal Shipping: Human Factor and Old Ships... or maybe Small Ships?," *Proceedings of the International Symposium on Maritime Safety, Security and Environmental Protection (SSE07)*, Athens, Greece.
 9. Genikomsidou I., N.P. Ventikos (2008), "The New Oil Pipeline from Bourgas to Alexandroupolis: Critical Analysis of Simulation Methods for the Protection of the Aegean Sea", *Proceedings of the 1st World Summit on Knowledge Society*, Springer, CCIS vol. 19, Athens, Greece, pp.: 720-726.
 10. Giannakopoulos Y., D. Bouros D. and N.P. Ventikos (2007), "Safety @ Risk?," *Proceedings of the International Symposium on Maritime Safety, Security and Environmental Protection (SSE07)*, Athens, Greece.
 11. Gkonis K.G., and H.N. Psaraftis (2007), "Investment Rules and Competition Patterns in LNG Shipping: A Game Theory Approach", *International Association of Maritime Economists conference "Challenges and Trends in Shipping" (IAME 2007)*, Athens, Greece, July 2007.
 12. Gkonis K.G., N.P. Ventikos, and H.N. Psaraftis (2007), "A decision-making model for oil spill response at the tactical level", *International Symposium on Maritime Safety, Security and Environmental Protection (SSE07)*, Athens, Greece, September 2007.
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13. Gkonis, K., H.N. Psaraftis, and P. Tsilingiris (2009), "Liner Shipping Costs and Logistics: A Literature Survey and Taxonomy of Problems," International Symposium on Maritime Logistics and Supply Chain Systems (MLOG 2009), Singapore, April 23-24., 2009.
14. Gkonis, K.G. and H.N. Psaraftis (2008), "Early Commitment and Entry Deterrence in an LNG Shipping Market," 2nd International Symposium on Ship Operations, Management and Economics, SNAME Greek Section, Athens, Sept.2008.
15. Gkonis, K.G. and H.N. Psaraftis (2009), "Caspian - Black Sea - SE European Gas Corridors and the LNG parameter: A scenario bundles approach" (2009), Proceedings of 10th IAEE European Conference "Energy, Policies and Technologies for Sustainable Economies", September 7-10, Vienna, Austria.
16. Gkonis, K.G., , N. M.P. Kakalis, N. P. Ventikos, Y. Ventikos and H. N. Psaraftis (2008), "A Model-Based Approach for Tactical Decision making in oil spill response," 2nd International Symposium on Ship Operations, Management and Economics, SNAME Greek Section, Athens, September 2008.
17. Gkonis, K.G., H.N. Psaraftis, and N.P. Ventikos (2009), "Game Theory contributions to Terrorism in Merchant Shipping: an Application to Port Security", IAME 2009 Conference, Copenhagen, Denmark, June 24-26.
18. Gkonis, K.G., H.N.Psaraftis, and N.P.Ventikos (2010), "Modelling Security Aspects of Merchant Shipping: a Piracy setting", IAME 2010 Conference Proceedings, July 7-9, Lisbon, Portugal
19. Hatzinikolaou, S., N. Ventikos, H. N. Psaraftis and D. Lyridis (2010) "Multi-criteria methodology for port infrastructure location: application to the new commercial port of Kos" (in Greek), 5th Panhellenic Conference of Harbor Works, Athens, Greece, 22-25 Nov.
20. Katzouros N., P.G. Zacharioudakis and D.V. Lyridis (2012), "An Innovative and Comprehensive Methodology for Financial Risk Assessment of Shipping Companies with the Aim of Promoting Sustainability", International Research Conference on Short Sea Shipping, 2-3 April, Lisbon, Portugal
21. Kontovas C.A. and H.N. Psaraftis (2011), "The link between economy and environment in the Post-Crisis Era: Lessons learned from slow steaming", European Conference on Shipping Intermodalism & Ports (ECONSHIP 2011), June 22-24, Chios, Greece.
22. Kontovas C.A., N.P. Ventikos and H.N. Psaraftis (2011), "An updated analysis of IOPCF oil spill data: Estimation of the disutility cost of tanker oil spills", Sustainable Maritime Transportation and Exploitation of Sea Resources, CRC Press, pp. 921-929.
23. Kontovas C.A., N.P. Ventikos and H.N. Psaraftis (2011), "Estimating the Consequence Costs of Oil Spills from Tankers", 2011 SNAME Annual Meeting & Expo, November 18-19, Houston, TX, 2011.
24. Kontovas, C. A., H.N. Psaraftis, and P. Zachariadis (2007), "The Two C's of the Risk Based Approach to Goal-Based Standards: Challenges and Caveats," International Symposium on Maritime Safety, Security and Environmental Protection (SSE07), Athens, Greece, September 2007.
25. Kontovas, C.A. and H.N. Psaraftis (2008), "Marine Environment Risk Assessment: A Survey on the Disutility Cost of Oil Spills," 2nd International Symposium on Ship Operations, Management and Economics, SNAME Greek Section, Athens, September 2008.
26. Kontovas, C.A. and H. N. Psaraftis (2010), "Carbon Dioxide Emissions Valuation and its Uses", 3rd International Symposium on Ship Operations, Management and Economics (SOME), SNAME Greek Section, Athens, Greece, 7-8 Oct.
27. Kontovas, C.A. and H.N. Psaraftis (2009), "An Online Ship Emissions Calculator as a Decision-Making Aid and Policy Evaluation Tool", Proceedings of the 13th Congress of the International Maritime Association of the Mediterranean (IMAM 2009), October 12-15, 2009, Istanbul, Turkey. •
28. Kontovas, C.A. and H.N. Psaraftis, (2010), "Reduction of Emissions Along the Intermodal Container Chain", IAME 2010 Conference Proceedings, July 7-9, Lisbon, Portugal.
29. Lindstad, H., O. T. Morkve and H. N. Psaraftis (2010), "Establishment of a system to compare Energy Usage and Emissions for all transport modes", 3rd International Symposium on Ship Operations, Management and Economics (SOME), SNAME Greek Section, Athens, Greece, 7-8 Oct.
30. Louzis K., Koimtoglou A. and N.P. Ventikos (2009), "The Risk of Wrecks or the Wreck of Risks? The Greek Paradigm", New Perspectives on Risk Analysis and Crisis Response: Proceedings of the 2nd International Conference Risk Analysis and Crisis Response (RACR 2009) part of the series Advances in Intelligent System Research vol. 9, Edited by: C. Huang, J.B. Wiener, J. Ni, Beijing, China, pp. 569-574.
31. Louzis, K., A. Koimtoglou and N.P. Ventikos (2010), "Ship Wreckage in Greece: A Fairytale or a Nightmare to be?", Proceedings of 19th for Risk Analysis (SRA) Europe Conference, London, UK.
32. Lyridis D.V., N.P. Ventikos, G.N. Kapetanis, P. Zacharioudakis and P.A. Anaxagorou (2005), "Development of the Technological Function for D2D Multimodal Transport Chains", Proceedings of the 9th Greek Conference LOGISTICS 2005: International Commerce, Development and Management of Chains of Logistics, Thessaloniki, Greece.

33. Lyridis D.V., N.P. Ventikos, G.N. Kapetanis, P.A. Anaxagorou and P. Zacharioudakis (2007), "The Development of a Technological Function for Multimodal D2D Transport Chains", Proceedings of the 1st International Scientific Conference on Competitiveness and Complementarity of Transport Modes, Perspectives for the Development of Intermodal Transport, Chios, Greece.
34. Lyridis D.V., N.P. Ventikos, P. Anaxagorou and P.G. Zacharioudakis (2004), "The Technological Function Concept in Door-to-Door Multimodal Transport Chains", Proceedings of the International Logistics Congress 2004: Developing Value Networks through Logistics and Transport, Izmir, Turkey, vol. I, pp. 109-123.
35. Lyridis D.V., N.P. Ventikos, P.G. Zacharioudakis, H.N. Psaraftis and S. Volakis (2006), "Risk Limits of Oil Transportation in the Aegean Sea", Proceedings of the 16th International Offshore and Polar Engineering Conference (ISOPE 2006), San Francisco, CA, vol. IV, pp. 423-431, 2006.
36. Lyridis D.V., N.P. Ventikos, P.G. Zacharioudakis, H.N. Psaraftis and S. Volakis (2005) "Exploring of the Risk Limits of Oil Transport in the Aegean Sea: The Current Records and Perspectives of Tanker Safety", 1st International Symposium on Ship Operations, Management and Economics, SNAME Greek Section, Athens, May 2005.
37. Lyridis D.V., Zacharioudakis P.G. and S.N.Panagopoulos (2005), "Simulating the Tanker Shipping Market with the use of Combined Generalized Autoregressive Conditional Heteroscedasticity and Auto Regressive Moving Average models (GARCH-ARMA)", SNAME Conference, Athens, Greece.
38. Lyridis, D. V., P. Zacharioudakis and K. Paschos (2004), "Prediction of the Tanker Shipbuilding Market in Relation to the Tanker Shipping Market", Proceeding of the Annual Conference of the International Association of Maritime Economists, IAME 2004, Izmir, Turkey, Vol. I, pp.712-727.
39. Lyridis, D. V., P. Zacharioudakis, and G. Ousantzopoulos (2004), "A Multi-Regression Approach to Forecasting Freight Rates in the Dry Bulk Shipping Market using Neural Networks", Proceeding of the Annual Conference of the International Association of Maritime Economists, IAME 2004, Izmir, Turkey, Vol. II, pp.797-811.
40. Lyridis, D. V., Perakis, A. N. and, M. G. Parsons (1995), "Level Crossing Probabilities for Cyclostationary Processes with two Frequencies in Marine Diesel Engine Shafting Systems," SAE Congress, March 1995, Detroit.
41. Lyridis, D.V., N.P. Ventikos, P.G. Zacharioudakis and H.N. Psaraftis (2004), "Critical Analysis of Tanker Op-Ex Adjusting Crew Synthesis, Automation Level and Maintenance," Proceedings of the International Logistics Congress 2004: Developing Value Networks through Logistics and Transport, Izmir, Turkey.
42. Lyridis, D.V., N.P. Ventikos, P. Anaxagorou and P.G. Zacharioudakis (2004), "The Technological Function Concept in Door-to-Door Multimodal Transport Chains", Proceedings of the International Logistics Congress 2004: Developing Value Networks through Logistics and Transport, Izmir, Turkey.
43. Lyridis, D.V., P.G. Zacharioudakis, and D. Hatzovoulos (2005), "An Innovative Dynamic Tanker Freight Rate Index". IMAM05 Conference, September 2005, Porto, Portugal.
44. Lyridis, D.V., P.G. Zacharioudakis, and S.Leoussis (2005), "Predicting in the Tanker Market Using Hybrid Expert Intelligence Techniques (ANFIS)". ICMRT'05 Conference, 19-21 September 2005, Ischia, Italy.
45. Lyridis, D.V., P.G. Zacharioudakis, and T. Pavlidis (2005), "A Dynamic Regional Forecast of Tanker Freight Rates with the Usage of Analytical Techniques", IMAM05 Conference, September 2005, Porto, Portugal.
46. Nitsopoulos, S., and H.N. Psaraftis (2007), "Short Sea Shipping in the Mediterranean: Time for Change," (in Greek), 1st International Conference on Competition and Complementarity of Transport Modes, Chios, Greece, May 2007.
47. Nyhart, J.D., H.N. Psaraftis and P.J. Yaroschak (1983), "Putting an Oil Spill Cleanup Computer Model to Work for the Navy," ASNE Conference, Washington DC, May 1983.
48. Nyhart, J.D., H.N. Psaraftis and W.S. Laird (1981), "The Legal Environment Component of an Oil Spill Cleanup Model," 1981 Oil Spill Conference (EPA/API/USCG), Atlanta, March 1981.
49. Oikonomou K. and N.P. Ventikos (2010), "Study of F/X Accidents in the Global Fleet: Analysis, Results and Elements of Risk", Proceedings of the Annual Conference of Maritime Technology, Piraeus, Greece, pp. 151-161.
50. Panagakis-Panagopoulos C. and N.P. Ventikos (2009), "Air Emissions from Passenger Ships at the Island of Santorini: A Difficult Puzzle in a Complex Environment", Proceedings of the 10th International Conference on Fast Sea Transportation (FAST 2009), Edited by: G. Grigoropoulos, M. Samuelides, N. Tsouvalis, Athens, Greece, pp. 657-667.
51. Panagakos G.P. and H.N. Psaraftis (2011), "Key performance indicators for green corridors in European freight transportation", European Conference on Shipping Intermodalism & Ports (ECONSHIP), June 22-24, Chios, Greece.
52. Panagakos G.P. and H.N. Psaraftis (2011), "The effects of regulatory changes on green freight corridors", IMAM 2011, XIV Congress of the International Maritime Association of the Mediterranean, Genoa, Italy, September 12-16, 2011.
53. Perakis, A.N., H.N. Psaraftis and H. Gonzalez (1983), "Detection Modelling of Unsaturated and Partially Saturated Ocean Acoustic Signals," 6th MIT/ONR Symposium on Command and Control, Cambridge, July 1983.

54. Psaraftis H.N. and N.P. Ventikos (2006), "An Intelligent Robot System to Respond to Oil Spills: the EU-MOP Project", Proceedings of the INTERSPILL 2006 International Conference, London, UK.
55. Psaraftis H.N., N.P. Ventikos and D.V. Lyridis (2006), "The EU-MOP Concept: A Swarm Robotics Approach for Oil Spill Control", Proceedings of the International Conference on Small Craft Related Sciences and Engineering (SMALL CRAFT 06), Bodrum, Turkey.
56. Psaraftis H.N., P. Caridis, G. Panagakos, N. Desypris and N.P. Ventikos (1998), "Human Factor as a Parameter of Marine Accidents", Proceedings of the 1st Greek Maritime Transport Conference, Piraeus, Greece, pp. 45-53, 1998.
57. Psaraftis, H.N. (1987), "Oil Spill Risk Management: The Strategic Response Case," TNO Conference on Oil Pollution, Amsterdam, The Netherlands, February 1987.
58. Psaraftis, H.N. (1996), "Reduced Manning to Increase Fleet Competitiveness," IMLA-9, Kobe, Japan, October 1996.
59. Psaraftis, H.N. (1998), "Strategies for Mediterranean Port Development," PORTS-98 Conference, Genoa, Italy, September
60. Psaraftis, H.N. (2005), "An Analysis of the European Union's Ports Policy," IMAM Conference, Lisbon, Portugal, September 2005.
61. Psaraftis, H.N. (2005), "Maritime Safety in the Post-Prestige Era," 1st International Symposium on Ship Operations, Management and Economics," SNAME Greek Section, Athens, May 2005.
62. Psaraftis, H. N. (2007), "Public Financing at EU seaports: The Case of Greece", International Association of Maritime Economists conference "Challenges and Trends in Shipping" (IAME 2007), Athens, Greece, July 2007.
63. Psaraftis, H.N. (2007), "Institutional Models for the Piraeus Port Authority" (in Greek), 1st International Scientific Conference on Competitiveness and Complementarity of Transport Modes, Chios, Greece, May 2007.
64. Psaraftis, H.N. (2009), "Green Maritime Logistics", invited plenary address, International Symposium on Maritime Logistics and Supply Chain Systems (MLOG 2009), Singapore, April 23-24.
65. Psaraftis, H.N. and A. Pallis (2010), "Concession of the Piraeus Container Terminal: Turbulent times and the quest for competitiveness", IAME 2010 Conference Proceedings, July 7-9, Lisbon, Portugal.
66. Psaraftis, H.N. and A.D. Papanikolaou (1992), "Impact of New Technologies on Shortsea Shipping in Greece," First European Research Roundtable Conference on Shortsea Shipping, Delft, the Netherlands, November 1992.
67. Psaraftis, H.N. and A.N.Perakis (1982), "Myopic and Presbyopic Approaches to a Multi-Sensor, Multi-Target Resource Allocation Problem," 5th MIT/ONR Symposium on Command and Control, Monterey, August 1982.
68. Psaraftis, H.N. and C.A. Kontovas (2008), "CO₂ Emissions Statistics for the World Commercial Fleet," Symposium of the Hellenic Institute of Marine Technology (ELINT), November 2008.
69. Psaraftis, H.N. and G. Panagakos (2012), "Green corridors in European surface freight logistics and the SuperGreen project," TRA 2012 conference, April 22-26, 2012, Athens, Greece.
70. Psaraftis, H.N. and J.N.Tsitsiklis (1991), "Dynamic Shortest Paths with Markovian Arc Costs," TRISTAN-1 Conference, Montreal-Quebec, Canada, June 1991.
71. Psaraftis, H.N., A.N.Perakis and P.N.Mikhalevsky (1981), "Memory Detection Models for Phase-Random Ocean Acoustic Fluctuations," International Conference on Communications (IEEE), Denver, June 1981 (also presented at the 4th MIT/ONR Symposium on Command, Control, Monterey, August 1982.
72. Psaraftis, H.N., A.V.Baird and J.D.Nyhart (1980), "National Response Capability to Oil Spills: A Systems Approach," OCEANS'80 Conference (IEEE), Seattle, September 1980.
73. Psaraftis, H.N., and O. D. Schinas (1996), "Research in European Shortsea Shipping: the State of the Art," Third European Research Roundtable Conference on Shortsea Shipping, Bergen, Norway, June 1996.
74. Psaraftis, H.N., C.A. Kontovas and N. Kakalis (2009), "Cost- effectiveness of Speed Reduction as an Emissions Reduction Measure for Fast Ships", Proceedings of the 10th International Conference on Fast Sea Transportation (FAST 2009), October 5-8, 2009, Athens, Greece.
75. Psaraftis, H.N., G. Panagakos, N. Desypris and N. Ventikos (1998), "An Analysis of Maritime Transportation Risk Factors," ISOPE-1998 Conference, Montreal, Canada.
76. Psaraftis, H.N., G.J. Nellas, V.F. Magirou and G.C. Nassos (1994), "Greek Coastal Shipping System: Impact of New Technologies and Market Deregulation on Modal Split". TRISTAN-2 Conference, Capri, Italy, June 1994.
77. Psaraftis, H.N., J.D.Nyhart and D.A.Betts (1983), "First Experiences with the Massachusetts Institute of Technology Oil Spill Model," 1983 Oil Spill Conference (EPA/API/USCG), San Antonio, March 1983.
78. Psaraftis, H.N., P. Caridis, N. Desypris, G. Panagakos and N.P. Ventikos (1998), "The Human Element as a Factor in Marine Accidents," IMLA-10 Conference, St. Malo, France, September 1998.
79. Psaraftis, H.N., V. F. Magirou, G. C. Nassos, G. J. Nellas, G. Panagakos and A. D. Papanikolaou (1994), "Modal Split in Greek Shortsea Passenger/Car Transport". 2nd European Roundtable Conference on Shortsea Shipping, Athens, June 1994.

80. Raffetti, A., C. Venturino, E.S. Petersen, H.N. Psaraftis, D.V. Lyridis and N.P. Ventikos (2003), "Integrated Navigation System – Safety Prediction Model for Ship's Retrofit Strategy", Proceedings of the European Safety and Reliability Conference (ESREL) 2003, Maastricht, The Netherlands, 2003.
81. Roussos E.P.C. and N.P. Ventikos (2007), "Port State Control Inspection Procedures: the Selection of Ships Revisited", Proceedings of the International Symposium on Maritime Safety, Security and Environmental Protection (SSE07), Athens, Greece.
82. Samuelides E.S., N.P. Ventikos and I.C. Gemelos (2007), "Risk Elements Related to Ship Groundings", Proceedings of the Annual Conference of Maritime Technology, Piraeus, Greece, pp. 69-85, 2007.
83. Samuelides M.S., N.P. Ventikos and J.K. Paik (2007), "Study of Grounding Incidents: Description of Contact and Frequency of Occurrence", Proceedings of the International Symposium on Maritime Safety, Security and Environmental Protection (SSE07), Athens, Greece.
84. Schinas, O and H.N. Psaraftis (2004), "An Evaluation Model for Forecasting Methodologies in the Port Industry," TRANSTEC conference, Athens, September 2004.
85. Schinas, O and H.N. Psaraftis (2004), "Analysis of the Greek Coastal Shipping Companies with a Multi-Criteria Evaluation Model," TRANSTEC conference, Athens, September 2004.
86. Schinas, O., D. V. Lyridis and H.N. Psaraftis (2002), "Introducing E-brokerage in European Transport Services: the Case of the PROSIT Project", The Fifth International Conference on Electronic Commerce Research (ICECR-5), Montreal, Canada, October 2002.
87. Schinas, O.D. and H.N. Psaraftis (1996), "The link between Greece and the rest of EU countries: Status and prospects," Third European Research Roundtable Conference on Shortsea Shipping, Bergen, Norway, June 1996.
88. Schinas, O.D. and H.N. Psaraftis (1997), "New Frontiers Through Shortsea Shipping," Transactions of SNAME Conference, Ottawa, Canada, 1997.
89. Solomonidis, C., H. N. Psaraftis, G. Papageorgiou, A. Rogan, A. Toumazis and A. Boutatis (2010), "The Cypriot port of Vassiliko Master Plan" (in Greek), 5th Panhellenic Conference of Harbor Works, Athens, Greece, 22-25 Nov.
90. Sturmey, S.G., G. Panagakos and H.N. Psaraftis (1994), "Institutional and Socioeconomic Issues in Greek Ferry Services". Second European Research Roundtable Conference on Shortsea Shipping, Athens, June 1994.
91. Taroudakis, M. I., D.V Lyridis, D. V., and K. Pliatsikas (1993), "Study of the Effects of Plate Stiffeners on the Structure-Borne Noise On Board Ships", Inter-Noise '93, pp1205-1208, Leuven-Belgium, August 24 - 26, 1993.
92. Tharakan, G.G. and H.N.Psaraftis (1981), "A Critical Review of Oil Spill Risk Analysis," OCEANS'81 Conference (IEEE), Boston, September 1981.
93. Tsilingiris, P. and H.N. Psaraftis (2006), "A Multi-Stage Optimization-Based Approach for the Liner Shipping Problem," 3rd International Congress on Transportation Research in Greece, Thessaloniki, Greece, May 2006.
94. Tsilingiris, P., H.N. Psaraftis, and D. Lyridis (2007), "RFID in the Ocean Container Transport," International Association of Maritime Economists conference "Challenges and Trends in Shipping" (IAME 2007), Athens, Greece, July 2007.
95. Tsilingiris, P., H.N. Psaraftis, and D. Lyridis, D. (2007), "RFID-Enabled Innovative Solutions Promote Container Security," International Symposium on Maritime Safety, Security and Environmental Protection (SSE07), Athens, Greece.
96. Turan O., D. Konovessis, N.P. Ventikos, P. Lemesle, N.M.P. Kakalis and Y.P. Ventikos (2007), "Design and Operation of Small to Medium Size Oil Spill Cleaning Units", Proceedings of International Conference on Towing and Salvage of Disabled Tankers, Glasgow, UK, pp. 53-57, 2007.
97. Ventikos N.P. and H.N. Psaraftis (2005), "A Review on the Integration of Human Factor in Marine Safety: The Sleeping Giant under the Spotlight", Proceedings of the 24th European Conference on Human Decision-Making and Manual Control (EAM 2005), Athens, Greece.
98. Ventikos N.P. and P. Swtiralis (2011), "Probabilistic oil outflow: the tanker fleet on the context of risk analysis", Proceedings of the European Conference on Shipping, Intermodalism & Ports (ECONSHIP 2011), Chios, Greece.
99. Ventikos N.P. and P.A. Anaxagorou (2006), "Expert Group Judgment and its Role in the Maritime Industry: Presentation of a Case Study and Lessons Learned", Proceedings of the 25th European Conference on Human Decision-Making and Manual Control (EAM 2006), Valenciennes, France, 2006.
100. Ventikos N.P. and H.N. Psaraftis (2006), "Ship-Generated Oil Pollution in the Mediterranean Sea: the Situation and the EU-MOP Solution", Proceedings of the International Conference on Shipping in the Era of Social Responsibility, Argostoli, Greece.
101. Ventikos N.P. S.D. Chatzinikolaou (2008), "Hazardous Waste Management and Ship Recycling: Friends or FOEs?," Proceedings of the 1st International Conference on Hazardous Wastes Management, Chania, Greece, CD-ROM, 2008.
102. Ventikos N.P., C. Panagakis-Panagopoulos (2011), "Inventory of Air Emissions from Ships: A Local Scale Modeling Analysis", Proceedings of the Annual Conference of Maritime Technology, Piraeus, Greece, pp. 111-124.

103. Ventikos N.P., D.V. Lyridis, G.V. Lykos and T. Logothetis (2010), "Identifying and Assessing non-Technical Skills on Greek Maritime Officers: The Story under the Spotlight", Proceedings of the International Conference on Human Performance at Sea (HPAS 2010), Glasgow, UK, pp. 234-243.
104. Ventikos N.P., E. Chaviaris and Psaraftis H.N (2006), "Tanker Accidents and Environmental Disasters: has the Maritime Industry Acknowledged their Connections to HOEs?", Proceedings of the World Maritime Technology Conference – EEZ Management (WMTC 06), London, UK, vol. EEZ Management, pp. 95-105, 2006.
105. Ventikos N.P., H.N. Psaraftis and D.V. Lyridis. (2001), "A Statistical Approach on Oil Pollution in Greek Seas", Proceedings of International Conference WATER POLLUTION 2001, Rhodes, Greece, pp. 141-149.
106. Ventikos N.P., H.N. Psaraftis and E. Iacovou E. (1998), "A Statistical and Strategic Survey of Oil Pollution in the Mediterranean Sea," Int. Conference on Applied Sciences and the Environment ASE 98, Cadiz, Spain, September 1998.
107. Ventikos N.P., H.N. Psaraftis and E. Iacovou (1998), "A Prototype Statistical Approach of Oil Pollution in the Mediterranean Sea," International Conference OIL SPILL 98, Southampton, UK, July 1998.
108. Ventikos N.P., I.C. Gemelo, E.S. Samuelides E.S. and J.K. Paik (2008), "Survey on Navigational and Non-Navigational Accidents: Statistical Analysis and Risk Assessment", Proceedings of the 4th International ASRANet Colloquium: Integrating Structural Analysis, Risk & Reliability, Athens, Greece.
109. Ventikos N.P., K. Louzis and A. Koimtzooglou (2010), "Shipwrecks vs. Environment in Greek Waters: Core Red or Fuzzy Alarm?", Proceedings of the 2010 Annual SRA Meeting: Risk Analysis in Action, Salt Lake City, Utah, 2010.
110. Ventikos N.P., K. Louzis and A. Koimtzooglou (2011), "A Fuzzy Logic Approach to the Emerging Risk from Shipwrecks: the Exercise in Greek Waters", Beyond Experience in Risk Analysis and Crisis Response (RACR 2011) part of the series Advances in Intelligent System Research vol. 16, Edited by: C. Huang, J. Ortiz, S. Sears, Laredo, TX, pp. 160-165
111. Ventikos N.P., K. P. Dilzas and H.N. Psaraftis (2001), "A Review Analysis of International and Greek Databases Concerning Oil Spills: The Case of a New Greek Oil Spill Database," ISOPE-2001, Stavanger, Norway, June 2001.
112. Ventikos N.P., K.P. Dilzas, D.V. Lyridis and H.N. Psaraftis (2001) "Contribution of Telematics in the Management of Oil Spill Issues", Proceedings of International Conference on Shipping Technology & Environment, Piraeus, Greece.
113. Ventikos N.P., K.P. Dilzas, D.V. Lyridis and H.N. Psaraftis (2002), "The Usage of Tree Analysis in the Context of a Strategic Approach Concerning Incidents of Oil Marine Pollution: Introduction of the Event-Decision Network," ISOPE-2002 Conference, Kitakyushu, Japan, May 2002.
114. Ventikos N.P., S.D. Chatzinikolaou and G. Zagoraios (2009), "The Cost of Oil Spill Response in Greece: Analysis & Results", Proceedings of the 13th Congress of Intl. Maritime Assoc. of Mediterranean (IMAM 2009), vol. II, ISBN: 978-975-561-357-4, Istanbul, Turkey, pp. 771-778.
115. Ventikos N.P., K.P. Dilzas and H.N. Psaraftis (2001), "An Approach on Marine Pollution Issues by the Usage of Data Bases and their Correlation to Applications of E-Business", Proceedings of the 2nd International Conference of Safety of Maritime Transport, Chios, Greece.
116. Ventikos, N.P. and H.N. Psaraftis (2001), "Implementation of a Multi-Level Statistical Analysis on a New Database Covering Oil Pollution in Greek Seas: Definitions & Results," International Conference of Environmental Statistics, Cadiz, Spain, November 2001.
117. Zacharioudakis P.G. and D.V. Lyridis (2005), "FORESIM: An Innovative Simulation Technique Combining Stochastic Models and Artificial Neural Networks – The Tanker Market Case " Proceeding of the Annual Conference of the International Association of Maritime Economists, IAME 2005, Lemessos, Cyprus.

BOOKS AND LECTURE NOTES

1. Psaraftis, H.N.(ed), "Higher Education and Research in Greece: Status and Prospects," Proceedings of the 4th Annual Symposium of the Hellenic Scientists Association of Boston, April 1988.
2. Ventikos N.P., "Hazard & Safety Analysis: The Maritime Transport Framework", Lecture Notes, Athens, Greece, 2004.
3. Psaraftis, H.N., "Greek Coastal Shipping and Cabotage," Eugenides Foundation Publications, Athens, Greece, 2006.
4. Ventikos N.P., "SHIP SOURCE OIL POLLUTION: The Problem, the Synthesis and the Environment", Teaching Book for the Postgraduate Short Course on Marine Environment Protection & Renewable Energy, Harbin Engineering University, Harbin, China, 2006.
5. Psaraftis, H.N., "Economics of Maritime Transport I," NTUA University Publications, 2007.
6. Psaraftis, H.N., "Economics of Maritime Transport II," Lecture Notes, NTUA, 2007.
7. Ventikos N.P., "Study and Management of Risk in Maritime Transport", NTUA Publications, Athens, Greece, 2008.
8. Psaraftis, H.N., "Ports and Intermodal Transport", Lecture Notes (18 packages), NTUA, 2011.
9. Schinas, O. and Lyridis, D.V., "Accounting and Technical Analysis", NTUA Publications, 2002.

BOOK CHAPTERS

1. Psaraftis, H.N., "Water Pollution," in McGraw-Hill 1982-83 Yearbook of Science and Technology.
2. Psaraftis, H.N., "Dynamic Vehicle Routing Problems," in Vehicle Routing: Methods and Studies, B. Golden and A. Assad (eds), North Holland, 1988
3. Demis, D.J., H.N. Psaraftis, "Optimization in the Design of Anti-Rolling Fins: Preliminary Analysis," in Engineering Design: Better Results Through Operations Research Methods, R. Levary (ed), North Holland, 1988
4. Psaraftis, H.N., Invited prologue to "Piraeus: Center for Shipping and Civilization," (in Greek), Efesos Publications, Piraeus, Greece, 2000.
5. Psaraftis, H.N., "The Port of Piraeus Enters the New Millennium," invited contribution to "10,000 Years of Greek Shipping" T&T Publishing, Athens, Greece, 2001.
6. Psaraftis, H.N. (2010) "Green maritime logistics: some simple models", in Maritime Wirtschaft- Theorie, Empirie und Politik, ISL publication to honor Prof. M. Zachcial, Peter Lang GmbH.
7. Psaraftis, H.N., D.V. Lyridis, C. A. Kontovas (2012) "The Economics of ships", chapter 19 of Blackwell Companion to Maritime Economics, W. K. Talley (Ed.) Wiley-Blackwell
8. Psaraftis, H.N., A. Minsaas, G. Panagakos, C. Pålsson, and I. Salanne (2012), "Green Corridors in European Surface Freight Logistics," to appear in Global Logistics, J. Bookbinder (ed.), Springer.
9. Panagakos G., H.N. Psaraftis, A. Minsaas, I. Ilves, I. Salanne, "The SuperGreen project and green corridor benchmarking" Book on European Green Corridor projects, to be published within the transport logistics series of the "Wildauer Schriftenreihe" (ISBN 978-3-936527-xx).
10. Psaraftis, H.N., C.A. Kontovas (2012), "Ship Emissions, Costs and Their Tradeoffs," in Advances in Maritime Logistics and Supply Chain Systems, E.P. Chew, L.H. Lee, and L.C. Tang (eds), World Scientific Books.
11. Lyridis, D.V., Zacharioudakis, P.G., Chatzovoulos, D., "An innovative dynamic tanker freight rate index" Maritime Transportation and Exploitation of Ocean and Coastal Resources, Vol. 2, Chapter 164, pp, 1333-1342, 2006, Taylor & Francis
12. Lyridis, D.V., Zacharioudakis, P.G., "Liquid-Bulk Shipping" The Blackwell Companion to Maritime Economics, Chapter 11, pp. 205-229, 2012, Wiley-Blackwell
13. Zacharioudakis, P.G., Lyridis, D.V., "Exploring Tanker Market Elasticity With Respect To Oil Production Using FORESIM" Advances in Maritime Logistics and supply Chain Systems, Chapter 13, pp. 297-305, 2011, World Scientific Publishing.

NON-REFEREED JOURNAL AND NEWSPAPER ARTICLES, OPED ARTICLES

1. Psaraftis, H.N., "Higher Education in Greece: There are no Painless Solutions," (in Greek). Oikonomikos Tachydromos (issue of 14 Jan. 1988, pp. 38-40).
 2. Psaraftis, H.N., "Ports and Intermodal Transportation," (in Greek). Oikonomikos Tachydromos (issue of 5 Dec. 1991, pp. 31-33).
 3. Psaraftis, H.N., A.D. Papanikolaou, "Waiting for 2004". Naftiliaki, special issue on Mediterranean Passenger Shipping, October 1993.
 4. Psaraftis, H.N., "Standards for Reviewing OR/MS Papers: How to Make an Imperfect Process Less Imperfect," OR/MS Today, June 1994, pp. 54-57.
 5. Psaraftis, H.N., "Greek Coastal Shipping: 2004 at the End of the Tunnel," (in Greek). Oikonomikos Tachydromos (issues of 10 Nov. 1994, pp. 26-32, and of 17 Nov. 1994, pp. 31-36).
 6. Psaraftis, H.N., "Spending Other People's Money," (in Greek). Oikonomikos Tachydromos (issue of 25 April 1996, pp. 37).
 7. Psaraftis, H. N., "Changing Tides: Countdown to 2004: Greek Shipping prepares for Deregulation and Colossal Changes," OR/MS Today, June 1996, pp. 30-34.
 8. Psaraftis, H.N., "When a Port Calls. ...An Operations Researcher Answers," OR/MS Today, April 1998, pp. 38-41.
 9. Psaraftis, H. N., "Greek Ports in the Context of the Economic and Monetary Unification," (in Greek). Oikonomikos Tachydromos, March 1999.
 10. Psaraftis, H.N., "OLP: Status and Prospects," (in Greek) Oikonomikos Tachydromos, June 2000.
-

11. Psaraftis, H. N., "Let's be Proactive on Safety," *Lloyds List*, 13 November 2000.
12. Psaraftis H.N., Panagakos G., Desypris N., Ventikos N.P., "An Approach on Factors that Affect the Safety of Maritime Transport" (in Greek), *PYRFOROS Journal*, NTUA Publications, Greece, vol. 3, pp. 25-32, 2000.
13. Ventikos N.P., "Maritime Transport: 99.98% clean environment" (in Greek), *ELNAVI*, Issue 322/2, pp. 110-111, 2000.
14. Ventikos N.P., "The weathering of oil spills: the answer to WHY and HOW the spilled oil transforms" (in Greek), *ELNAVI*, Issue 323/3, pp. 10-12, 2000.
15. Ventikos N.P., "Marine oil pollution: historical data from part important marine accidents" (in Greek), *ELNAVI*, Issue 325/5, pp. 8-10, 2001.
16. Ventikos N.P., "Review of oil spill related data in national and international level: the development of a new spill database for Greece" (in Greek), *ELNAVI*, Issue 326/6, pp.66-68, 2001.
17. Ventikos N.P., "Introduction to oil spill confrontation: development and targets of the 3 level counter pollution decision making" (in Greek), *ELNAVI*, Issue 327/7, pp.56-58, 2001.
18. Ventikos N.P., "SPILLASE: an original electronic tool for the management and statistical analysis of oil spill related data" (in Greek), *ELNAVI*, Issue 328/8, pp.76-78, 2001.
19. Ventikos N.P., "Best practices and suggestions for optimized shore cleaning from oil" (in Greek), *ELNAVI*, Issue 330/10, pp.128-129, 2001.
20. Ventikos N.P., "Actions that must be avoided during the cleaning of shores from oil" (in Greek), *ELNAVI*, Issue 331/11, pp.116-117, 2001.
21. Ventikos N.P., Dilzas K., "Telematics and oil spill databases" (in Greek), *ELNAVI*, Issue 332-333, pp.128-130, 2001.
22. Ventikos N.P., "Garbage and shores" (in Greek), *ELNAVI*, Issue 334/13, pp.102-104, 2001.
23. Psaraftis, H.N., "Coastal Shipping: Time Zero," (in Greek) *Naftika Chronika*, November 2002.
24. Psaraftis, H.N., "Coastal Shipping: On Discounts and Competition," (in Greek) *Naftemporiki*, 17 November 2002.
25. Psaraftis, H.N., "Coastal Shipping: 2002 Review," (in Greek) *Naftika Chronika*, January 2003.
26. Ventikos N.P., Psaraftis H.N., "Oil Pollution Generated from Maritime Transport: Prevention & Confrontation" (in Greek), *Naftika Chronika*, Piraeus, Greece, vol. 59, pp. 78-79, 2003.
27. Psaraftis, H.N., "Europe Port 'Patchwork' Needs to be Redesigned", *Lloyds List*, 22 January 2004.
28. Psaraftis, H.N., "European Ports: Quo Vadis ? " (in Greek) *Naftika Chronika*, January and February 2004 (in 2 parts).
29. Psaraftis, H.N., "The Chinese Curse of Greek Cabotage," *Naftika Chronika*, June 2004.
30. Psaraftis, H.N., "The Achilles Heel of European Shortsea Shipping," (in Greek) *Naftika Chronika*, September 2004.
31. Psaraftis, H.N., "Piraeus Port Authority: At a Critical Crossroads?" (in Greek) *Naftika Chronika*, December 2004.
32. Corres, A.J., H.N. Psaraftis, "Greek Coastal Shipping: The Limits of Endurance and the Limits of Tolerance," (in Greek) *Naftika Chronika*, January 2005.
33. Psaraftis, H.N., C. Kontovas, "Maritime Safety: Politics, FSA, and the Black Pill," (in Greek) *Naftika Chronika*, April 2005.
34. Psaraftis, H.N., "Pier I: The End of OLP as we knew it?," (in Greek) *Naftika Chronika*, May 2005.
35. Psaraftis, H.N., "Classification Societies: Saviors or Scapegoats?," (in Greek) *Naftika Chronika*, June 2005.
36. Psaraftis, H.N., "Institutional Evolution of OLP: Yesterday, Today, Tomorrow," *Naftika Chronika*, November 2005.
37. Ventikos N.P., "DH Tanker Safety: Discussion & Proposals" (in Greek), *Naftika Chronika*, Piraeus, Greece, vol. 82, pp. 64-70, 2005.
38. Psaraftis, H.N., "Coastal Shipping: Waiting for Godot," (in Greek) *Naftika Chronika*, January 2006.
39. Psaraftis, H.N., C.A. Kontovas, "Safety, Risk, Probability: Or Playing With Lives?," *Lloyds List*, 25 January 2006.
40. Psaraftis, H.N., "Failure of Port Package: A Big Fiasco, or a Blessing in Disguise?," *Shipping International Monthly Review*, January 2006.
41. Psaraftis, H.N., "Maritime Safety: Einai Stravos o Gialos, h Strava Armenizoume?" (*Naftika Chronika*, April 2006.
42. Psaraftis, H.N., "Down with Age Limits!," (on Greek) *Naftika Chronika*, April 2006.
43. Psaraftis, H.N., "Cosco, China Shipping, Tympaki: A New Golden Age, or a Chinese Curse?," (in Greek) *Naftika Chronika*, May 2006.
44. Psaraftis, H.N., "Goal Based Standards: The Debate at IMO", (in Greek) *Naftika Chronika*, June 2006.
45. Psaraftis, H.N., "Rendez Vous With History," (in Greek), *Marinews*, June 2006.
46. Psaraftis, H.N., "Maritime Safety: The Dance Goes On", (in Greek) *Naftika Chronika*, October 2006.
47. Psaraftis, H.N., "Ports: Privatization Full Speed, but of What Kind?," (in Greek) *Naftika Chronika*, May 2006.
48. Psaraftis, H.N., "The Role of Private Capital in the Privatization of the Port of Piraeus," (in Greek) *Kathimerini*, 7 December 2006.
49. Psaraftis, H.N., "Port of Piraeus: The Road to Privatization is Difficult," (in Greek) *Efoplistis*, December 2006.

50. Ventikos N.P., "Developing a Climate of Trust: the Human Face of Shipping", The International Maritime Human Bulletin Alert, Issue No 11, 2006.
51. Ventikos N.P. "Oil Spill Response: Introduction and Generic Aspects", The Euro-Asia Maritime Network (EAMARNET) Journal, 2006.
52. Psaraftis, H.N., "Mutual Recognition of Equipment Certificates: Why IACS Does not Want it?," (in Greek) Naftika Chronika, January 2007.
53. Psaraftis, H.N., "The Condemnation of Greece for EU Regulation 4055/86," (in Greek) Naftika Chronika, February 2007.
54. Tsilingiris, P. and H. N. Psaraftis, "Containerships: 50 years of presence" (in Greek), Naftika Chronika, April 2007.
55. Psaraftis, H.N., "Coastal Shipping Deregulation: Myth or Reality?" (in Greek) Naftika Chronika, April 2007.
56. Psaraftis, H.N., "Maritime Safety: The Limits of Endurance and the Blind Walk" (in Greek) Naftika Chronika, May 2007.
57. Psaraftis, H.N., "Grab a Study" (in Greek) Naftika Chronika, August 2007.
58. Psaraftis, H.N., "Ports: The Proper Questions for Certain Answers," (in Greek) Naftika Chronika, November 2007.
59. Psaraftis, H.N., "OLP's Privatization is Stuck," (in Greek), Kathimerini, December 2007.
60. Psaraftis, H.N., "Five Important Events in 2007," (in Greek), Naftika Chronika, January 2008.
61. Ventikos N.P., "Marine Pollution" (in Greek), Kyriakatiki Eleftherotypia, April 15, 2007.
62. Ventikos N.P., "The oil removal operations in Santorini demand patience and persistence" (in Greek), Naftemporiki, April 17, 2007.
63. Ventikos N.P., "Marine Safety in the Aegean Sea" (in Greek), Kyriakatiki Eleftherotypia, April 22, 2007.
64. Psaraftis, H.N., "Container Terminal Concession: A Few Random Thoughts," (in Greek), Marinews, February 2008.
65. Psaraftis, H.N., "Environmental Risk Evaluation Criteria: The Discussion at the IMO," Naftika Chronika, March 2008.
66. Psaraftis, H.N., "OLP: Views on the Concession of the Container Terminal," (in Greek), Efoplistis, March 2008.
67. Tsilingiris, P.S., H.N. Psaraftis, "Applications of RFID Technology in Container Transport," Naftika Chronika, April 2008.
68. Ventikos, N.P., H.N. Psaraftis, "Elimination Units for Marine Oil Pollution: Small Autonomous Craft to Combat Oil Spills," (in Greek), Naftika Chronika, April 2008.
69. Psaraftis, H.N., "OLP: The Container Terminal Concession and the Political Debate," (in Greek), Naftika Chronika, May 2008.
70. Psaraftis, H.N., "Container Terminal Concession: Economics 101," (in Greek), Naftika Chronika, July 2008.
71. Psaraftis, H.N., C.A. Kontovas, "Carbon Dioxide Emissions from the World Fleet: A Problem Seeking Solutions," (in Greek), Naftika Chronika, October 2008.
72. Psaraftis, H.N., "OLP-Cosco: Welcome to the Casino," (in Greek) Naftika Chronika, November 2008. Ventikos N.P., "The problems of the wreck removal of Sea Diamond" (in Greek), Eleftheros Typos, December 1, 2008.
73. Gkonis, K.G. and H.N. Psaraftis, "The scenario bundle method and the security of gas supply for Greece" in "Contributions to Game Theory and Management", Vol.II, pp. 92-113, Graduate School of Management, St.Petersburg University, 2009.
74. Psaraftis, H.N., "Chinatown," (in Greek) Naftika Chronika, March 2009.
75. Psaraftis, H.N., "Environmental Risk Assessment: For a Fistful of (60,000) dollars", (in Greek) Naftika Chronika, May 2009.
76. Psaraftis, H.N., "Third party charges: myths and reality," (in Greek) Naftika Chronika, October 2009.
77. Psaraftis, H.N., "Market Based Instruments for Ship Air Emissions" (in Greek), Naftika Chronika, June issue, 2009.
78. Psaraftis, H.N., "Connection between universities and shipping industry" (in Greek) Naftika Chronika, October 2010.
79. Ventikos N.P., "Risk Analysis in Maritime Transport: the Framework, the Problems and the Perspectives" (in Greek), Naftika Chronika, vol. 129, pp. 34-36, 2010.
80. Psaraftis, H.N., "Market based measures from GHG emissions from ships", Naftika Chronika, June 2011.
81. Ventikos N.P., Louzis K., "Shipwrecks and oil pollution in Greek waters: study, results and perspectives" (in Greek), Maritech News, Issue 12, pp. 86-89, 2011.
82. Ventikos N.P., "If the Titanic was carrying LNG..." (in Greek), Mesogeios SOS, Issue 71, pp. 10-11, 2011.
83. Ventikos N.P., Lykos G., "Can we assess systematically the non technical skills in shipping? The framework, the answer and the results" (in Greek), Naftika Chronika, Piraeus, Greece, vol. 141, pp. 68-72, 2011.
84. Ventikos N.P., Grigoriou E., "Marine accidents" (in Greek), Maritech News, Issue 16, pp. 16-20, 2011.
85. Ventikos N.P., "Shipwreck removal today" (in Greek), Maritech News, Issue 16, pp. 24-25, 2011.
86. Buzbuchi, N. C., Soloiu, V. A., Dinescu, C., and Lyridis, D. V., Motoare Navale, Supraalimentare-Dinamica, Vol.2, (Chapters 13 & 14) Editura Didactica si (in Roumanian), Bucharest, 1998.
87. Lyridis, D.V., Zacharioudakis, P., Chatzovoulos, D., and Psaraftis, H.N., "Establishment of an Innovative Tanker Freight Index", presented in TRANSTEC 2004, Athens, Greece.
88. Perakis A. N., Lyridis, D. V., and Anastassiadis J. S., "Level Crossing Probabilities for Multipath Acoustic Processes with

- Bimodal Spectra," Department of Naval Architecture and Marine Engineering, The University of Michigan," Report #311, December, 1989.
89. Lyridis, D. V., Perakis A. N., and Parsons M. G., "Probabilistic Torsional Vibration Analysis of a Marine Diesel Engine Shafting System: an Alternative Approach to the Level Crossing Problem," Department of Naval Architecture and Marine Engineering, The University of Michigan, Report #313, December, 1989.
 90. Lyridis, D. V. and Zacharioudakis, P., «The Next Strategic Step of Greek Shipping Companies» Naftika Xronika, IV May 2004 (in Greek)
 91. Lyridis, D. V. and Zacharioudakis, P., «The Greece-Italy Maritime Axis» article in Logistics Management, July 2005 (in Greek)
 92. Zacharioudakis, P., Lyridis, D.V., and Stefanakos, C.N., «Study of the Evolution of Secondhand Tankers during the years 2004-2007», Chronika Nafphgon (2007) (in Greek).
 93. Zacharioudakis, P. and Lyridis, D.V., «Innovative Risk Management Products in Shipping», Naftika Chronika, 3-2007 (in Greek).
 94. Zacharioudakis, P. and Lyridis, D.V., «Modern Decision Support Tools in Shipping», Efoplistis, February 2007 (in Greek).
 95. Lyridis D.V., Zacharioudakis, P., "Maritime Intelligence Forecasting" MARE FORUM (2006).
 96. Lyridis D.V. Zacharioudakis, P., "Maritime Intelligence Forecasting" ,The Oslo Shipping Forum 2007.
 97. Lyridis D.V., Zacharioudakis, P., Predicting the unpredictable" Shipping in Context Exploring the risks and rewards MARE FORUM SHIP FINANCE 2007.
 98. Zacharioudakis, P. and Lyridis, D.V., «Is it Possible to Predict the Shipping Markets», Efoplistis, April 2007 (in Greek).
 99. Lyridis, D.V., Hellenic Education Encyclopedia, Technology and Informatics, Vol. 19, Ekdotiki Athinon 1994 (lemma in soundproofing materials) (in Greek).
 100. Frangopoulos, C., Lyridis, D. V., "Small Craft Electrical Installations", Small Craft Technology, Wegemt, Athens, October 6-11, 1997.

NON-REFEREED CONFERENCES AND INVITED PRESENTATIONS

1. Psaraftis, H.N., "On a Flexible-Route Bus Distribution Problem," TIMS/ORSA National Meeting, New York, May 1978.
2. Odoni, A.R., H.N.Psaraftis, "The Optimal Sequencing of Aircraft Landings Subject to Priority Constraints," Optimization Days 1978 Meeting, Montreal, May 1978.
3. Psaraftis, H.N., "A Real-Time Flexible-Route Scheduling Algorithm," ORSA/TIMS National Meeting, Los Angeles, November 1978.
4. Psaraftis, H.N., "Theoretical and Implementation Issues in a Dial-A-Ride Routing Algorithm," invited paper, TIMS XXIV International Meeting, Hawaii, June 1979.
5. Psaraftis, H.N., "The Optimal Sequencing of Aircraft Landings in a Two-Runway Airport," 10th International Symposium on Mathematical Programming, Montreal, August 1979.
6. Psaraftis, H.N., "On the Multi-Vehicle Dial-A-Ride Problem," ORSA/TIMS National Meeting, Milwaukee, October 1979.
7. Psaraftis, H.N., "An Exact (Exponential) Dial-A-Ride Algorithm: Where do we Go from There?," TIMS/ORSA National Meeting, Washington DC, May 1980.
8. Psaraftis, H.N., C.O.Ziogas, "A Sequential Decision Model for the Optimal Dispatching of Oil Spill Cleanup Equipment," EURO IV Congress, Cambridge, England, July 1980.
9. Psaraftis, H.N., "Performance Guarantees for the Single Vehicle Many-to-Many Euclidean Dial-A-Ride Problem," EURO IV Congress, Cambridge, England, July 1980.
10. Psaraftis, H.N., "A Simple Heuristic for the Many-to-Many Dial-A-Ride Problem," ORSA/TIMS National Meeting, Colorado Springs, November 1980.
11. Psaraftis, H.N., B.O.Ziogas, "The MIT Oil Spill Tactical Model," 2nd Oil and Hazardous Materials Spills Conference (SCAA), Philadelphia, December 1980.
12. Ziogas, C.O., H.N.Psaraftis, "A Decision Support System for Oil Spill Cleanup," CORS/TIMS/ORSA Meeting, Toronto, May 1981.
13. Tharakan, G.G., H.N.Psaraftis, "An Exact Algorithm for the Exponential Disutility Dial-A-Ride Problem," CORS/TIMS/ORSA Meeting, Toronto, May 1981.

14. Psaraftis, H.N., "The MIT Oil Spill Model," IFORS'81 International Conference, Hamburg, Germany, July 1981.
15. Jaw, J.-J., A.R.Odoni, H.N.Psaraftis, N.H.M.Wilson, "A Heuristic Algorithm for Advance Request Dial-A-Ride," ORSA/TIMS Meeting, Houston, October 1981.
16. Psaraftis, H.N., invited panel discussion in "Experiences from the Interaction Between Education and Practice of Management," (in Greek). 6th Hellenic Management Association Conference, Athens, Greece, December 1981.
17. Psaraftis, H.N., "A Computer-Assisted Decision-Making Model for Oil Spill Cleanup," invited paper, International Symposium IXTOC-1, Mexico City, June 1982.
18. Psaraftis, H.N., "Recent Developments in Dial-A-Ride Routing Algorithms," EURO V/TIMS XXV International Meeting, Lausanne, Switzerland, July 1982.
19. Jaw, J.-J., A.R.Odoni, H.N.Psaraftis, N.H.M.Wilson, "A Subscriber Dial-A-Ride Algorithm for Large-Scale Problems," invited paper, ORSA/TIMS National Meeting, San Diego, October 1982.
20. Jaw, J.-J., A.R.Odoni, H.N.Psaraftis, N.H.M.Wilson, "Recent Experiences with a Multi-Vehicle Many-to-Many Dial-A-Ride Routing and Scheduling Algorithm," invited paper, TIMS/ORSA National Meeting, Chicago, April 1983.
21. Psaraftis, H.N., G.G.Tharakan, B.O.Ziogas, "Strategic, Tactical, and Operational Decision Making in Oil Spill Cleanup," TIMS/ORSA National Meeting, Chicago, April 1983.
22. Psaraftis, H.N., "Local Search for Routing and Scheduling Problems with Side Constraints," EURO-VI Congress, Vienna, Austria, July 1983.
23. Orlin, J.B., H.N.Psaraftis, "Solution Methods for Large-Scale Sealift Routing and Scheduling Problems," invited paper, ORSA/TIMS National Meeting, Orlando, November 1983.
24. Orlin, J.B., H.N.Psaraftis, "An Algorithm for Emergency Sealift Routing and Scheduling Problems," TIMS/ORSA National Meeting, San Francisco, May 1984.
25. Psaraftis, H.N., "A Computer-Assisted Model for the Evaluation of Oil Spill Combat Alternatives," 3rd International Congress on Marine Technology, International Maritime Association of East Mediterranean, Athens, Greece, May 1984.
26. Psaraftis, H.N., J.-J. Jaw, A.R.Odoni, N.H.M.Wilson, "A Review of MIT Research on Scheduling of Flexible-Route Transportation Systems," TIMS XXVI International Meeting, Copenhagen, Denmark, June 1984.
27. Psaraftis, H.N., "Assessing Damage and Liability from Oil Spills," Conference on Coastal Zone and Continental Shelf Conflict Resolution, MIT, Cambridge, November 1984.
28. Psaraftis, H.N., "Strategic Planning for Large and Small Oil Spills in New England," ORSA/TIMS National Meeting, Dallas, November 1984.
29. Psaraftis, H.N., J.B.Orlin, D.Bienstock, P.M.Thompson, "The Operational Routing and Scheduling Problem of the Military Sealift Command," invited paper, TIMS/ORSA National Meeting, Boston, May 1985.
30. Kim, T.-U., H.N.Psaraftis, M.M.Solomon, "Time-Constrained Ship Routing and Scheduling Problems with an "Easy" Routing Structure," EURO-VII Congress, Bologna, Italy, June 1985.
31. Psaraftis, H.N., "Computer Models for the Protection of the Ocean Environment from Oil Spills," (in Greek) invited paper, 7th National Meeting of the Hellenic Operational Research Society, Athens, Greece, November 1985.
32. Psaraftis, H.N., M.M.Solomon, T-U Kim, A.R.Odoni, "Routing and Scheduling on the Shoreline with Release Times," ORSA/TIMS National Meeting, Los Angeles, April 1986.
33. Psaraftis, H.N., M.M.Solomon, T-U Kim, "Time Window Constrained Routing and Scheduling on a Shoreline," invited paper, ORSA/TIMS National Meeting, Miami, October 1986.
34. Psaraftis, H.N., "Oil Spill Risk Analysis and Risk Management," invited panel discussion, TNO Conference on Oil Pollution, Amsterdam, The Netherlands, February 1987.
35. Psaraftis, H.N., "Time Constrained Routing and Scheduling on Special Network Topologies," invited lecture, Centre for Mathematics and Computer Science, Amsterdam, The Netherlands, February 1987.
36. Orlin, J.B., H.N.Psaraftis, P.M.Thompson, "A Computer Model for Emergency Sealift Scheduling," invited paper, TIMS/ORSA National Meeting, New Orleans, May 1987.
37. Psaraftis, H.N., P.M.Thompson, J.B.Orlin, "A Computer Model for Dynamic Cargo Ship Scheduling," invited paper, ORSA/TIMS National Meeting, St. Louis, October 1987.
38. Thompson, P.H., Psaraftis, H.N., J.B.Orlin, "Cyclic Transfers: Local Improvement Algorithms for Multi-Vehicle Routing Problems," EURO IX/TIMS XXVII International Meeting, Paris, France, July 1988.
39. Psaraftis, H.N., "Mathematical Programming on Project Athena at MIT," EURO IX/TIMS XXVII International Meeting, Paris, France, July 1988.
40. Psaraftis, H.N., "Dynamic Vehicle Routing: Is it a Simple Extension of Static Routing?," invited paper, CORS/TIMS/ORSA Meeting, Vancouver, May 1989.

41. Psaraftis, H.N., "Profitable Use of Analytical Models in Marine Transportation," invited lecture, MARSOFT Seminar, Athens, Greece, June 1989.
42. Koumbis, A., H.N. Psaraftis, "On the Analysis and Modelling of the Hellenic Coastal Shipping System," IFORS-90 International Meeting, Athens, Greece, June 1990.
43. Thompson, P., H.N. Psaraftis, "Between Route Local Optimization for Multi-Vehicle Routing and Scheduling Problems," IFORS-90 International Meeting, Athens, Greece, June 1990.
44. Psaraftis, H.N., "Dynamic Vehicle Routing Problems: A Taxonomy and Survey," EURO/TIMS Conference, Helsinki, Finland, June 1992.
45. Psaraftis, H.N., "Dynamic Path and Routing Problems," invited lecture, Technical University of Berlin, November 1992.
46. Psaraftis, H.N., "Prospects for Conventional Passenger-Car Ferries in the Aegean," invited paper, International Conference on Overcoming Isolation, Plomari, Lesvos, March 1993.
47. Psaraftis, H.N., "Prospects for Conventional Passenger-Car Ferries," invited paper, THALASSA-1 Conference, Piraeus-Iraklio, April 1993.
48. Psaraftis, H.N., "Dynamic Path and Routing Problems," invited lecture, Technical University of Eindhoven, March 1994.
49. Psaraftis, H.N., "Lifting of Cabotage by 2004," invited paper, THALASSA-2 Conference, Piraeus, April 1994.
50. Psaraftis, H.N., "Dynamic Vehicle Routing: Status and Prospects," invited paper, TIMS/ORSA Meeting, Boston, April 1994.
51. Psaraftis, H.N., Keynote Address, Second Research Roundtable Conference on Shortsea Shipping, Athens, June 1994.
52. Psaraftis, H.N., "Dynamic Vehicle Routing: Status and Prospects," invited paper, EURO XIII Conference, Glasgow, UK, July 1994.
53. Psaraftis, H.N., "Dynamic Vehicle Routing: Status and Prospects," lecture, Universite Libre de Bruxelles, October 1994.
54. Psaraftis, H.N., "Maritime Efficiency and Safety: Impact of Crew Assignments and Workloads," invited paper, THALASSA-3 Conference, Piraeus, April 1995.
55. Psaraftis, H.N., "Impact of Ship Automation Technologies on Merchant Fleet Competitiveness," invited paper, XIV Pan-American Congress of Naval Engineering, Maritime Transportation and Port Engineering (XIV COPINAVAL), Lima, Peru, June 1995.
56. Psaraftis, H.N., "Impact of Automation Technologies on European Shipping Competitiveness," invited paper, INFORMS National Meeting, New Orleans, November 1995.
57. Psaraftis, H.N., "Matching Demand for R&D with Supply of R&D in Maritime Transport," Concerted Action on Shortsea Shipping, workshop with the Greek Shipping Industry, Piraeus, June 1997.
58. Psaraftis, H.N., "Challenges for the Port of Piraeus," invited lecture, National Conference of Port Works, Athens, November 1997.
59. Psaraftis, H.N., "Greek Coastal Shipping: 2004 is coming," invited lecture, seminar of the Hellenic Institute of Marine Technology, Syros, October 1998.
60. Psaraftis, H.N., "Quality in European Shortsea Shipping," invited lecture, Erasmus University workshop, Athens, April 1999.
61. Psaraftis, H.N., "Mediterranean Ports and Information Society before the New Millennium," invited keynote address, Euro-Med Information Society Workshop, Istituto Luigi Sturzo, Rome, Italy, May 1999.
62. Psaraftis, H.N., "Dutch-Greek Cooperation: the Greek Perspective," invited lecture, Thema Forum on Dutch-Greek Maritime Cooperation, Athens, May 1999.
63. Psaraftis, H.N., "Overview of European R&D in Shortsea Shipping," invited lecture, international seminar on European Transport, Genova, September 1999.
64. Psaraftis, H.N., "Piraeus and Real Estate Development," (in Greek) invited lecture, seminar organized by the Athens Organization, Piraeus, February 2000.
65. Psaraftis, H.N., "New Technologies and Port Development," (in Greek) invited lecture, workshop organized by the Panhellenic Union of Shipping Agents, Piraeus, February 2000.
66. Psaraftis, H.N., "Port of Piraeus: Status and Prospects," (in Greek) invited lecture, seminar organized by International Maritime Union and Panhellenic Union of Shipping Agents, Athens, February 2000.
67. Psaraftis, H.N., "Greek Coastal Shipping: 2004 is coming," (in Greek) invited lecture, seminar organized by ship and tourism agents, Athens, June 2000.
68. Psaraftis, H.N., "Port of Piraeus: Status and Prospects," invited lecture, TRANSPORT 2000 conference, Piraeus, November 2000.
69. Psaraftis, H.N., "Port Developments in the Mediterranean," invited lecture, International Association of Ports and Harbors Europe-Africa Regional Meeting, Cork, Ireland, March 2001.

70. Psaraftis, H.N., "Safety of Shipping in Coastal Waters," invited lecture, Norwegian-Greek Shipping Forum, Athens, June 2001.
71. Psaraftis, H.N., "Greek Ports: New Challenges and Institutional Changes," invited lecture, seminar at Piraeus Port Authority, June 2001.
72. Psaraftis, H.N., "The Container Market: The View from the Port of Piraeus," invited lecture, MIT/MARSOFT course on Investment and Risk Management in Shipping, Athens, August 2001.
73. Ventikos N.P., K.P. Dilzas, D.V. Lyridis, H.N. Psaraftis, "Contribution of Telematics in the Management of Oil Spill Issues," International Conference on Shipping Technology & Environment, Piraeus, Greece, September 2001.
74. Psaraftis, H.N., "Challenges for the Port of Piraeus," invited lecture, seminar organized by Women's International Shipping and Trading Association (WISTA), Piraeus, November 2001.
75. Psaraftis, H.N., "Trade Developments: Mediterranean," invited lecture, International Association of Ports and Harbors Europe-Africa Regional Meeting, Piraeus, January-February 2002.
76. Ventikos N.P., K.P. Dilzas, D.V. Lyridis, H.N. Psaraftis, "The Use of Telematics and E-Business in the Prevention of Oil Marine Pollution, 6th Balkan Conference on Operational Research, Thessaloniki, Greece, May 2002.
77. Ventikos N.P., K.P. Dilzas, D.V. Lyridis, H.N. Psaraftis, "A Critical Analysis of Oil Marine Pollution: The Incorporation of Spill Causes into the event-Decision Network," 3rd International Conference on Oil Spills, Oil Pollution and Remediation, Istanbul, Turkey, September 2002.
78. Ventikos N.P., A. Alexopoulos A., Psaraftis, "Design of a Database Application for Oil Spill Incidents in the South East Mediterranean with Particular Reference to the Greek Seas," 3rd International Conference on Oil Spills, Oil Pollution and Remediation, Istanbul, Turkey, September 2002.
79. Psaraftis, H.N., "Utopia or Reality? What's wrong with European Shortsea Shipping and How to Fix it," invited lecture, European Shipper's Council Conference, Athens, October 2002.
80. Psaraftis, H.N., "Maritime Safety: To Be or Not to Be Proactive," Ports and Harbors (IAPH), March 2003 (also presented at IAPH's Europe- Africa Regional Meeting, Amsterdam, the Netherlands, February 2003).
81. Psaraftis, H.N., "Cost-Benefit Analysis for the Intelligent Vessel: The Case of the ATOMOS IV Project," invited presentation at the SWAN project workshop, Piraeus, Greece, March 2003.
82. Psaraftis, H.N., "Maritime Intermodal Transportation: The Interface between the Academic World and the Real World," invited paper, ROUTE 2003 workshop, organized by Technical University of Denmark, Rolighed, Denmark, June 2003.
83. Psaraftis, H.N., "Maritime Safety in the Post-Prestige Era," invited lecture, SNAME Greek Section, Athens, May 2004.
84. Psaraftis, H.N., "EU Port Safety and Security versus EU Transport Policy: Challenges and Opportunities," keynote address, 1st International Conference on Current Maritime Issues, Frederick Institute of Technology, Limassol, Cyprus, October 2004.
85. Psaraftis, H.N., "Shortsea Shipping and Inland Waterway Transport: Status and Prospects," invited lecture, Luso-American Foundation Conference, Lisbon, Portugal, May 2005.
86. Psaraftis, H.N., "EU Ports: Quo Vadis ? " invited lecture, ECONOMIST Shipping and Ports Conference, Athens, May 2005.
87. Psaraftis, H.N., "Technological Infrastructure for the Motorways of the Sea," invited lecture, PORTMOS workshop, Lisbon, Portugal, May 2005.
88. Psaraftis, H.N., "Shortsea Shipping: Towards a Great Fiasco?," invited lecture, Mare Forum Conference, Rome, Italy, September 2005.
89. Psaraftis, H.N., "An Analysis of EU Ports Policy," TAIEX workshop, Limassol, Cyprus, December 2005.
90. Lyridis D.V., Ventikos N.P., Kapetanis G.N., Zacharioudakis P., Anaxagorou P.A., "The development of the technological function for D2D transport chains" (in Greek), Proceedings of the 9th Hellenic Conference LOGISTICS 2005: International Commerce, Development and Management of Logistics Chains, Thessaloniki, Greece, 2005.
91. Psaraftis H.N., Ventikos N.P., Lyridis D.V., "Marine oil pollution and confrontatiojn of oil spills" (in Greek), Proc. of International Conference for the Management and Enhancement of Coastal Zones, Athens, Greece, pp. 489-500, 2005.
92. Psaraftis, H.N., Talk at Eugenides Foundation on the occasion of his book presentation, March 2006.
93. Psaraftis, H.N., "GBS vs Safety Level Approach: Contributing to the Debate," presentation at MSC 81 (IMO), London, May 2006.
94. Psaraftis, H.N., "Institutional and Other Distortions in Greek Coastal Shipping," (in Greek) presentation at the Sifnian Cultural Symposium, Sifnos, Greece, June 2006.
95. Tsilingiris, P. and H.N. Psaraftis, "An Optimization-Based Decision-Support Methodology for the Liner Shipping Problem," 21st European Conference on Operational Research (EURO2006), Reykjavik, Iceland, July 2006.

96. Psaraftis, H.N., "Goal Based Standards and the "Safety-Level Approach Debate," Presentation at Mare Forum 2006, Athens, Greece, September 2006.
97. Tsilingiris, P. and H.N. Psaraftis, H., "An Optimization-Based Approach for the Liner Shipping problem," invited lecture, International Workshop on Distribution Logistics (IWDL2006), Brescia, Italy, October 2006.
98. Psaraftis, H.N., "Challenges in Port Security," talk at Maritime Security Forum, Athens, November 2006.
99. Psaraftis, H.N., "Perama Shiprepair Zone: Some Random Thoughts," (in Greek) Invited talk, workshop on the Perama Shiprepair Zone, organized by the Piraeus Labor Center, Piraeus, December 2006.
100. Zachariadis P., H.N. Psaraftis, and C.A. Kontovas "Risk Based Rulemarking & Design - Proceed with Caution," RINA conference on Developments in Classification and International Regulations, London, UK, January 2007.
101. Psaraftis, H.N. (2007), "The Job of the Naval Architect and Marine Engineer," Talk to Arsakeio's high school students, April 2007.
102. Psaraftis, H.N., "What has been the effect of the Community's initiative on Short Sea Shipping to date and what are the prospects for the future," (in Greek), Talk at Eugenides Foundation, workshop organized by the Hellenic Short Sea Association, May 2007.
103. Psaraftis, H.N., "Challenges in International Seaborne Transport," invited keynote speech, conference of the International Association of Maritime Economists, Athens, Greece, July 2007.
104. Tsilingiris, P.S., N.P. Ventikos, and H.N. Psaraftis, "Dynamic Systems in the Ocean Container Industry: Status and Perspectives". 22nd European Conference on Operational Research (EURO2007), Prague, Czech Republic, July 2007.
105. Tsilingiris, P., H.N. Psaraftis and D. Lyridis, "RFID in Containerization," 2007 INFORMS Annual Meeting, Seattle, USA, November 2007.
106. Psaraftis, H.N., D. Lyridis, N. Ventikos, "Maritime Safety," presentation at NTUA on the occasion of NTUA's 170th anniversary, December 2007.
107. Psaraftis, H.N., "Marine Pollution: Prevention and Response," presentation at Eugenides Foundation on the occasion of NTUA's 170th anniversary, December 2007.
108. Psaraftis, H.N., Talk at workshop on "Greek Ports: Scientific Concerns in View of Important Changes," (in Greek) - organized by the Hellenic Association of Maritime Economists (ENOE), Piraeus, March 2008.
109. Psaraftis, H.N., "Legal Challenges in OLP's Privatization," (in Greek) Talk at the Piraeus Bar Association, April 2008.
110. Psaraftis, H.N., "Environmental Risk Evaluation Criteria," SAFEDOR workshop, Glasgow, UK, May 2008.
111. Psaraftis, H.N., "Alternative Approaches to the Coastal Transportation Problem," (in Greek) invited talk, workshop organized by the Research Center for Progressive Policy (KEPP), Eugenides Foundation, Athens, June 2008.
112. Psaraftis, H.N., "Logistics-Emissions Tradeoffs in Maritime Transport," OR 2008 conference, Augsburg, Germany, September 2008.
113. Psaraftis, H.N., "Mediterranean Container Hubs of the Future," Mare Forum Conference "The Mediterranean Basin Future," Marseille, France, September 2008.
114. Psaraftis, H.N., "Educational Curricula in Naval Architecture and Marine Engineering: The Case of Greece," 2nd International Maritime Conference, "Human Resources in the Shipping Industry: New Trends and Challenges in the 21st Century," Frederick University, Limassol, Cyprus, November 2008.
115. Ventikos N.P., "SAR in Greece: Elements of Practice and Research", The 2nd Workshop for the Reference Group of the WMU Project on SAR Research Related to Passenger Ships, World Maritime University, Malmo, Sweden, 2008.
116. Ventikos N.P., Chatzinikolaou S.D., "Ships, maritime safety and the environment: co-travellers in the Aegean Sea?" (in Greek), Meeting of Municipality Port Fund of Kos, Kos, Greece, 2008.
117. Psaraftis, H.N., "Fast Waterborne Transport in the Emissions Reduction Era: in Search of Win-Win Policies," invited keynote address, Proceedings of the 10th International Conference on Fast Sea Transportation (FAST 2009), October 5-8, 2009, Athens, Greece.
118. Psaraftis, H.N., "Challenges in European Short Sea Shipping," invited plenary address, Proceedings of the 13th Congress of the International Maritime Association of the Mediterranean (IMAM 2009), October 12-15, 2009, Istanbul, Turkey.
119. Gratsos, G.A., H.N. Psaraftis, P. Zachariadis, "Life Cycle Cost of Maintaining the Effectiveness of a Ship's Structure and Environmental Impact of Ship Design Parameters: an Update," RINA Conference on the Design and Operation of Bulk Carriers, October 26-27, 2009, Athens, Greece.
120. Psaraftis, H.N., "Challenges in Maritime and Intermodal Logistics," invited lecture, Hamburg School of Business Administration, November 16, 2009, Hamburg, Germany.
121. Minsaas, A., Psaraftis, H.N., "The Launching of the SuperGreen project," invited presentation, European Commission (DG-TREN) Conference on Green Corridors, December 9, 2009, Brussels, Belgium.

122. Ventikos N.P., Chatzinikolaou S.D., "Maritime Transport and the Environment: The Mediterranean Fairy-tale", Ecomediterranean Conference: Towards a Sustainable Management of Mediterranean Sea, Palma de Mallorca, Spain, CD-ROM, 2009.
123. Ventikos N.P., Chatzinikolaou S.D., «Ships & Marine Pollution» (in Greek), LIFE05 ENV/GR000242: the Gulf of Eleusis in 2020, Eleusis, Greece, 2009.
124. Ventikos N.P., "Shipwrecks: Introduction, problems & solutions" (in Greek), LIFE05 ENV/GR000242: the Gulf of Eleusis in 2020, Eleusis, Greece, 2009.
125. Psaraftis, H.N. (2010), "Green Logistics for Surface Intermodal Transport", invited keynote address, 41st Annual conference of the Italian Operations Research Society (AIRO), September 7-10, Villa San Giovanni, Italy.
126. Psaraftis, H.N. (2010), "Will any of the emissions reduction measure work?" invited presentation, EuroMed Management Maritime Forum, September 14, Marseille, France.
127. Psaraftis, H.N. (2010), "Can any of the emissions reduction measures work?" 2nd Mare Forum Iron Ore and Coal World Shipping Summit, Athens, Greece, 4 Oct. 2010.
128. Psaraftis, H.N. (2010), "Market Based Measures for Greenhouse Gases: The IMO Debate", SNAME Greek section technical meeting, 16 Dec. 2010.
129. Ventikos N.P., "Educating Naval Architects & Marine Engineers in Greece: The School, the Curriculum and Perspective", International Mermaid Congress, Istanbul, Turkey, 2010.
130. Ventikos N.P., "The A-B of Oil Pollution from Ships: Elements of Risk", The Hellenic Joint Branch of the Institute of Marine Engineering, Science & Technology and the Royal Institution of Naval Architects, Piraeus, Greece, 2010.
131. Psaraftis H.N., Ventikos N.P., "Some thoughts on slow steaming", Regulatory Options for Controlling Shipping Emissions in the EU, Brussels, Belgium, 2010.
132. Psaraftis, H.N. (2011) "Sustainable Shipping: Parallel Tracks that Meet", invited keynote address, Mareforum Blue Shipping Summit, Athens, Greece, 6 May 2011.
133. Panagakos G.P., Psaraftis H.N. (2011), "Green corridors in freight logistics: How conducive is the operational and regulatory environment in Europe?", Proceedings of the 8th SoNorA University Think Tank Conference, Szczecin, Poland, June 16, ISSN 1868- 8411.
134. Psaraftis, H.N. (2011), "Green intermodal logistics and the SuperGreen project", International Ports and Hubs Trade Show and Symposium, Athens, Greece, April 13-15.
135. Psaraftis, H.N. (2011), "Slow steaming vs. speed limits," presentation at ECCP DG-Clima's WG on Ships, Brussels, Belgium, June 22-23.
136. Lindstad, H., J.-T. Pedersen, H.N. Psaraftis (2011) "Increased Environmental concern adds another dimension to Fleet scheduling," IFORS 2012 Conference, Melbourne, Australia, July 10-15.
137. Panagakos G.P., Psaraftis H.N. (2011), "Green Corridors and the SuperGreen project: First results", presentation at the Green Corridors in the TEN Network Conference, Trento, Italy, September 6.
138. Psaraftis, H.N. (2011), "The SuperGreen project: overview and first results," presented at Green Corridors – Multimodal Sustainable Transport System' conference organized by Polish Presidency, Szczecin, Poland, Sep. 21-22.
139. Kontovas C.A., Psaraftis H.N., Ventikos N.P., "Environmental Risk Evaluation Criteria", Workshop on EREC, Hamburg, Germany, 2011.
140. Ventikos N.P., "Oil Pollution from Maritime Transport" (in Greek), Hellenic Institute of Marine Technology, Piraeus, Greece, 2011.
141. Ventikos N.P., "GHG Emissions: MBMs/MBIs for their Reduction" (in Greek), Technical Chamber of Greece, Piraeus, Greece, 2011.
142. Schinas, O., Lyridis, D. V., and Psaraftis, H. N., "E-brokerage in European Intermodal Chains", International Conference on Financial Engineering, e-Commerce, Supply Chain and Strategic of Development, FEES – 2002, University of Piraeus and Athens Chamber of Commerce and Industry, Athens, Greece, June 10-12, 2002.
143. Lyridis D.V., Zacharioudakis P.G., "FORESIM: An Innovative Simulation Technique for the Shipping Markets", EURO XXI, Iceland, July 2-5, 2006.

SUBMISSIONS TO NATIONAL AND INTERNATIONAL BODIES

SUBMISSIONS TO THE INTERNATIONAL MARITIME ORGANIZATION (IMO)

MARITIME SAFETY COMMITTEE (MSC)

1. MSC 86/17/2 Application of the FSA Guidelines and review of FSA studies
2. MSC 82/INF.3 FORMAL SAFETY ASSESSMENT: Possible Improvements on FSA Guidelines

MARINE ENVIRONMENT PROTECTION COMMITTEE (MEPC)

Prevention of Air Pollution From Ships

1. EPC 60/4/15 MARKET-BASED MEASURES - MBM proposals: a way ahead.
2. MEPC 60/4/15 PREVENTION OF AIR POLLUTION FROM SHIPS - Comments on the EEDI Baseline Formula
3. MEPC 60/4/16 PREVENTION OF AIR POLLUTION FROM SHIPS - The Energy Efficiency Design Index (EEDI) and Life Cycle Considerations
4. MEPC 60/4/17 PREVENTION OF AIR POLLUTION FROM SHIPS -The Energy Efficiency Design Index (EEDI) and Underpowered Ships
5. EE-WG 1/2/7 FURTHER IMPROVEMENT OF THE DRAFT TEXT FOR MANDATORY REQUIREMENTS OF EEDI AND SEEMP, Proposal for a Correction to EEDI Baseline Formula
6. GHG-WG 3/3 REVIEW OF PROPOSED MBMs - Grouping and evaluation of proposed MBMs

FSA Environmental Risk Evaluation Criteria

1. MEPC 62/WP.13 Report of the Working Group on Environmental Risk Evaluation Criteria within the context of Formal Safety Assessment
2. MEPC 62/18/1 Further experience with oil spill databases and update of non-linear oil spill cost functions
1. MEPC 61/18/2 Further experience with non-linear oil spill cost functions
2. MEPC 60/17 Report of the Correspondence Group on Environmental Risk Evaluation Criteria
3. MEPC 60/WP.11 Report of the Working Group on Environmental Risk Evaluation Criteria within the context of Formal Safety Assessment
4. MEPC 59/17 Report of the Correspondence Group on Environmental Risk Evaluation Criteria
5. MEPC 58/17 Report of the Correspondence Group on Environmental Risk Evaluation Criteria
6. MEPC 57/17 Report of the Correspondence Group on Environmental Risk Evaluation Criteria
7. MEPC 56/18/1 Environmental Risk Evaluation Criteria

MISC

1. Paximadis G., Ventikos N.P. (2008), "Do you know... that the danger for pollution of Santorini from Sea Diamond still exists?", Submission by WWF Hellas to the Hellenic Parliament, Athens, Greece.
 2. Genikomsidou I., Grigoriou E., Ventikos N.P. (2009), "Oil Pollution in Greek Seas: Critical Review of Confrontation and Waste Management", REMPEC/WG.30/INF.9, St. Julian, Malta.
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EDUCATION

Undergraduate Courses

ECONOMICS OF MARITIME TRANSPORT I (H.N. Psaraftis, staff)

Brief overview of microeconomics. Elements of the theory of production and consumption. Investment evaluation criteria. The charter market. The concept of perfect competition. Types of charters and charterparties. Tanker chartering. Spot market freight rates. Market structure. Institutional framework. Time charters. The dry cargo charter market. The oil distribution network. Freight rates and prices in the oil market. The liner trade. Conferences. Cost structure. Monopoly freight rates. Institutional framework. Internal competition. Components of transport cost. Intermodal transport. Container transport. Elements of the theory of international trade.

ECONOMICS OF MARITIME TRANSPORT II (H.N. Psaraftis, staff)

Methodology of decision making under conditions of uncertainty. Application to maritime transport. Coastal shipping. The Greek coastal shipping system. EU regulations on cabotage. Short-sea shipping. Competition with other means of transport. Port competitiveness. Advanced intermodal transport systems. The role of advanced technology. Institutional matters in Greece and the EU. Case studies in maritime transport.

ECONOMICS OF MARITIME TRANSPORT III: Environment and safety (H.N. Psaraftis, N.P. Ventikos, staff)

Analysis of maritime transport safety and marine environment protection, with emphasis on economics and managerial issues. Casualty analysis theory. Formal Safety Assessment. The human factor and its involvement in maritime transport safety. Human reliability analysis. Regulations for safety, pollution avoidance and the human factor in maritime transport. Oil pollution. Means and strategies for oil spill response. Internalization of external costs. The ISPS code for ship and port security.

ELEMENTS OF FINANCE. SPECIAL TOPICS IN SHIPPING FINANCE (D.V. Lyridis, staff)

Introduction to finance. Present value and cost of capital. Investment decisions. Risk and return. Planning of capital availability. Financing of large companies. Share policy and capital structure. Shipping investments. Sources of capital, bank lending, capital markets. Risk management.

LOGISTICS IN MARITIME TRANSPORT (D.V. Lyridis, staff)

Introduction to logistics, historical review. International transportation system. Modern requirements of companies and strategy. Methods and solutions. Operational strategies. Selection of transportation means. Nodal stations-warehouses. Intermodal transport. Institutional framework and policy. Examples.

PORTS AND INTERMODAL TRANSPORT (H.N. Psaraftis, N.P. Ventikos, staff)

Introduction and design requirements for ports. Economic, shipping, physical, environmental, social, and maintenance requirements. Port-city relationship. Types of terminals. Port pricing. Safety, security and environmental issues. Port management. Port privatization. Institutional issues. Intermodal transport networks. Shortsea shipping. Case studies in Greece and abroad.

RISK THEORY, ENGINEERING AND APPLICATIONS IN MARITIME TRANSPORT (N.P. Ventikos, staff)

Introduction to the study and management of risk theory and risk engineering: focus is given on individual risk, societal risk, perceived risk, environmental risk, and risk benefit approach for maritime transport. Comprehensive survey of the dimensions of risk and of risk acceptance criteria, through the presentation of relative theories, methodologies and suggestions. Quantitative risk assessment (QRA), and risk based decision making and decision reasoning is also part of the curriculum of this lesson. Comparative presentation of risk oriented approaches and studies of various (transport) industries with a special focus on maritime transport applications.

THE HUMAN ELEMENT - INTRODUCTION TO HUMAN RELIABILITY FOR MARITIME TRANSPORT (N.P. Ventikos, staff)

Study of human element and introduction into human reliability for maritime transport. Quantification and assessment of the role of human factor in terms of safety and efficiency of maritime transport. Presentation of first-generation and second-generation human reliability methodologies and applications of them within maritime transport. The human element is integrated as a hazard but also as a potential risk control measure: in effect reference to the modern holistic approach of human factor is made. Critical review is done regarding human reliability applications and their usefulness for maritime safety is assessed accordingly.

Post-graduate Courses

WATERBORNE TRANSPORT SYSTEMS (H.N. Psaraftis, D.V. Lyridis, staff)

The charter and liner shipping markets. Freight rate formation. Ship and flag competitiveness. Flags of convenience. Quality systems. Factors that influence maritime safety. Coastal shipping and cabotage. Shortsea shipping. Port management systems. Port competitiveness. Intermodal transport systems. Advanced technologies in shipping. Institutional issues.

PH.D. THESES (COMPELETED AT NTUA)

YEAR	NAME	TITLE	SUPERVISOR
2002	Βεντικός, Νικόλαος	Ανάπτυξη Μοντέλου Εκτίμησης για τη Βαρύτητα, τις Αιτίες και τις Επιπτώσεις της Θαλάσσιας Ρύπανσης από Πετρελαιοειδή: Η Περίπτωση των Θαλασσίων Μεταφορών σε Ελλάδα και Σαρωνικό Κόλπο.	Χαρίλαος Ν. Ψαραύτης
2005	Σχινάς, Ορέστης	Application of Multi-Criteria Decision Making Techniques in Finance: The Case of Greek Coastal Shipping Companies.	Χαρίλαος Ν. Ψαραύτης
2007	Ζαχαριουδάκης, Παναγιώτης	Ανάπτυξη Εργαλείων Λήψης Αποφάσεων στη Ναυτιλία	Δημήτριος Β. Λυριδης
2008	Ψαρρός, Απόστολος	Ελληνικό σύστημα εσωτερικών θαλασσίων μεταφορών: ποιότητα, κανονισμοί, λιμάνια, υπηρεσίες, στόλος- προτάσεις	Χαρίλαος Ν. Ψαραύτης
2009	Γκόνης, Κων/νος	Analysis of competition and strategic investments in the LNG market	Χαρίλαος Ν. Ψαραύτης
2011	Κοντόβας, Χρήστος	Quantitative Risk Management Framework for Maritime Safety and Environmental Protection	Χαρίλαος Ν. Ψαραύτης

POSTGRADUATE THESES (COMPLETED AT NTUA)

YEAR	NAME	TITLE	SUPERVISOR
2000	Ζαχαριουδάκης, Παναγιώτης, Παπουτσή, Ε.	Μελέτη σκοπιμότητας δρομολόγησης πλοίων νέας τεχνολογίας και συστηματική ανάλυση οικονομικών σεναρίων (μεταπτυχιακή εργασία).	Χαρίλαος Ν. Ψαραύτης
2004	Μανσόλας Ιωάννης	Μελέτη της Αγοράς Λιπαντικών Ναυτιλίας	Δημήτριος Β. Λυριδης
2008	Διαμαντέας Παναγιώτης	Επισκόπηση και Προοπτικές της Ελληνικής Ναυτιλιακής Αγοράς	Δημήτριος Β. Λυριδης
2008	Λιβανίου Στέλλα	Μελέτη για τη Λήψη Απόφασης για Αγορά ή Ιδιοκατασκευή Υποψήφιας Διαδικασίας των Ναυπηγείων Ελευσίνας	Δημήτριος Β. Λυριδης
2009	Κίντζιος Σπύρος	Κατάσταση και Προοπτικές της Ελληνικής Ναυτιλίας	Δημήτριος Β. Λυριδης
2010	Δεμίρης Ευστράτιος	Εκτίμηση Πραγματικής Εμπορικής Αξίας Μεταχειρισμένων Πλοίων	Δημήτριος Β. Λυριδης
2011	Καμπουρίδης Παύλος	Development of Performance Indicators for Maritime Clusters	Δημήτριος Β. Λυριδης
2011	Στάθης Αντώνης	Ο Εμπορευματικός Σταθμός στο Θριάσιο Πεδίο ως Επέκταση στην Ενδοχώρα του Εμπορευματικού Λιμένα Πειραιά	Δημήτριος Β. Λυριδης
2011	Κοντιζάς Σταύρος	Ορισμός πρότυπου δείκτη συμπεριφοράς ναύλων πλοίων φορτίου χύδην	Δημήτριος Β. Λυριδης

DIPLOMA THESES (COMPLETED AT NTUA)

YEAR	NAME	TITLE	SUPERVISOR
1994	Δίλζας, Κων/νος	Μελέτη για την ανταγωνιστικότητα των υπό Ελληνική σημαία πλοίων γενικού φορτίου	Χαρίλαος Ν. Ψαραύτης
1994	Δημητρίου, Κων/νος	Η ανταγωνιστικότητα των δεξαμενοπλοίων	Χαρίλαος Ν. Ψαραύτης
1994	Βεντίκος, Νικόλαος	Πρόγραμμα ελέγχου πετρελαιοκηλίδων	Χαρίλαος Ν. Ψαραύτης
1994	Λοΐζου, Χαρίλαος Ν.	Οικονομοτεχνική ανάλυση για τη δημιουργία Ναυπηγοεπισκευαστικής ζώνης στην Κύπρο	Χαρίλαος Ν. Ψαραύτης
1994	Καραδημητρόπουλος, Γεώργιος	Η Ελληνική ακτοπλοία και η εξέλιξή της σε σχέση με τις θεσμικές αλλαγές και την είσοδο σκαφών νέας τεχνολογίας	Χαρίλαος Ν. Ψαραύτης
1994	Σούλιου, Μαρία	Μελέτη της Ελληνικής ακτοπλοίας, στατιστική ανάλυση κίνησης στις περιοχές του Αργοσαρωνικού και των Σποράδων, βελτιστοποίηση του δικτύου για την περιοχή των Σποράδων	Χαρίλαος Ν. Ψαραύτης
1994	Σχινάς, Ορέστης	Οι μεταφορές προϊόντων μεταξύ Ελλάδος και της υπόλοιπης Ευρώπης: Κατάσταση, προοπτικές και προτάσεις	Χαρίλαος Ν. Ψαραύτης
1994	Αποστολίδης, Αγαμέμνων	Ο έλεγχος της θαλάσσιας κυκλοφορίας (συστήματα VTS)	Χαρίλαος Ν. Ψαραύτης
1994	Καΐλα, Βασιλική	Προβλήματα λήψης αποφάσεων για την αγορά και διαχείριση πλοίων-ανταλλακτικά.	Χαρίλαος Ν. Ψαραύτης
1996	Ντενίσης, Αθανάσιος	Εφαρμογή θεωρίας χαρτοφυλακίου για τη δομή του στόλου	Χαρίλαος Ν. Ψαραύτης
1997	Ψαρρός, Απόστολος	Ακτοπλοϊκό σύστημα κίνησης Ελλάδας – Επατηνήσων -Ιταλίας	Χαρίλαος Ν. Ψαραύτης
1997	Γιαμουρίδης, Δ.	Ελληνικό ακτοπλοϊκό σύστημα για την εσωτερική μεταφορά εμπορευμάτων: Κατάσταση και προοπτικές	Χαρίλαος Ν. Ψαραύτης
1997	Κύρκος, Βασίλειος	Το Χρηματιστήριο Αξιών Αθηνών ως πηγή χρηματοδότησης για την Ελληνική ακτοπλοία	Χαρίλαος Ν. Ψαραύτης
1997	Δοξαράς, Δημήτριος	Ελληνική ακτοπλοία: το δίκτυο των Κυκλάδων. Κατάσταση-εξέλιξη- προοπτικές, πλοία νέας τεχνολογίας	Χαρίλαος Ν. Ψαραύτης
1998	Λαζόπουλος, Α.	Ναυπηγοεπισκευαστική ζώνη Περάματος: Κατάσταση, δυνατότητες και προοπτικές.	Χαρίλαος Ν. Ψαραύτης
1999	Σπυρόπουλος, Δ.	Άρση του δικαιώματος cabotage στην Ελληνική ακτοπλοία- αναδιάρθρωση του υπάρχοντος θεσμικού πλαισίου- προτάσεις προς εξέταση.	Χαρίλαος Ν. Ψαραύτης
2000	Νταντάμης, Χ.	Εφαρμογή θεωρίας χαρτοφυλακίου στη δομή στόλου: Χρήση ανάλυσης χρονοσειρών για την πρόβλεψη και έλεγχο των τιμών της αγοράς πλοίων	Χαρίλαος Ν. Ψαραύτης
2003	Παυλίδης Χάρης	Μελέτη ναυλαγοράς δεξαμενοπλοίων και εφαρμογή μεθοδολογιών μονοπαραμετρικής πρόβλεψης	Δημήτριος Β. Λυριδης
2003	Πάσχος Κώστας	Μελέτη ανάπτυξης παγκοσμίου στόλου δεξαμενοπλοίων.	Δημήτριος Β. Λυριδης
2003	Τομάζος Φαίδων	Οικονομική και Τεχνική Μελέτη Επιλογής Κινητήρα Diesel για Παραγωγή Ηλεκτρικής Ενέργειας και Συστηματική Ανάλυση Σεναρίων	Δημήτριος Β. Λυριδης
2003	Ουσαντζόπουλος Γεώργιος	Ανάπτυξη και αξιολόγηση μεθοδολογιών πρόβλεψης της ναυλαγοράς πλοίων ξηρού φορτίου	Δημήτριος Β. Λυριδης
2003	Αλεξίου Αντώνης	Εργαλείο λήψης αποφάσεων που σχετίζονται με επενδύσεις και διαχείριση στόλου στη ναυλαγορά tanker	Δημήτριος Β. Λυριδης
2003	Μήτρου Παναγιώτης	Ανάλυση και Πρόβλεψη Ναυλαγοράς Tanker με χρήση Τεχνητών Νευρωνικών Δικτύων	Δημήτριος Β. Λυριδης
2003	Μυλωνάς Α.	Ανάλυση και Πρόβλεψη Ναυλαγοράς Tanker με χρήση Τεχνητών Νευρωνικών Δικτύων	Δημήτριος Β. Λυριδης
2003	Κυριάκογλου Στέλιος	Βέλτιστη δομή στόλου με θεωρία ανάλυσης χαρτοφυλακίων (portfolio analysis)	Δημήτριος Β. Λυριδης
2003	Χατζόβουλος Δημήτρης	Ορισμός πρότυπου δείκτη συμπεριφοράς ναύλων δεξαμενοπλοίων	Δημήτριος Β. Λυριδης

2004	Πανταλέων Εβελίνα	Εκτίμηση Μακροχρόνιου Επενδυτικού Κινδύνου στην Ποντοπόρο Ναυτιλία	Δημήτριος Β. Λυριδης
2004	Παυλίδης Θανάσης	Οικονομική Αξιολόγηση & Κρίσιμη Ανάλυση του Συστήματος VTMS στο Ιόνιο Πέλαγος-Πρώτη Φάση Επέκτασης	Δημήτριος Β. Λυριδης
2004	Λεούσης Σπύρος	Ανάλυση και Πρόβλεψη Ναυλαγοράς Δεξαμενοπλοίων με Χρήση Τεχνητών Νοημοσύνης (ANFIS)	Δημήτριος Β. Λυριδης
2004	Παναγόπουλος Σταυρόνικος	Προσομοίωση της συμπεριφοράς των ναύλων δεξαμενόπλοιων VLCC με χρήση της μεθοδολογίας της Γενικευμένης Αυτοπαλίνδρομου Ετεροσκεδαστικότητας Υπό Συνθήκες (GARCH)	Δημήτριος Β. Λυριδης
2004	Γουλανδρής, Θ.	Επιθεωρήσεις πλοίων από τις κρατικές λιμενικές αρχές.	Χαρίλαος Ν. Ψαραύτης
2004	Γιαλοψός, Ευάγγελος	Ανάλυση των παραγόντων που επιδρούν στις θαλάσσιες μεταφορές εμπορευματοκιβωτίων.	Χαρίλαος Ν. Ψαραύτης
2004	Ορφανίδης, Αλέξιος	Evaluation criteria of shipping enterprises for lending. An empirical approach of the Greek banking market.	Χαρίλαος Ν. Ψαραύτης
2004	Μικρώνης, Σ., Τσερεμέγκλης, Γ.	Ο κώδικας ISPS για την ναυτική ασφάλεια	Χαρίλαος Ν. Ψαραύτης
2004	Κοντόβας, Χρήστος	Formal safety assessment: Critical review and future role.	Χαρίλαος Ν. Ψαραύτης
2004	Νιτσόπουλος, Σπυρίδων	Η ανανέωση του στόλου μεσογειακών φορτηγών ως στρατηγική ανάπτυξης της ναυτιλίας μικρών αποστάσεων	Χαρίλαος Ν. Ψαραύτης
2005	Κρητικού Ευαγγελία	Διερεύνηση κινδύνων για την πρόκληση ατυχημάτων σε δεξαμενόπλοια και προτάσεις για ασφαλή ναυσιπλοΐα τους στο Αιγαίο Πέλαγος	Δημήτριος Β. Λυριδης
2005	Καλύβας Νικόλαος	Αξιολόγηση δανειοληπτικής ικανότητας ναυτιλιακών εταιρειών με βάση την συνθήκη της Βασιλείας	Δημήτριος Β. Λυριδης
2005	Στεφανός Χατζηνικολάου	Οι Λειτουργικές Ρυπάνσεις Πλοίων στον Ελλαδικό Θαλάσσιο Χώρο	Χαρίλαος Ν. Ψαραύτης
2005	Κουκλάκης Δημήτρης	Ανάλυση ατυχημάτων δεξαμενοπλοίων με χρήση δέντρων σφαλμάτων	Δημήτριος Β. Λυριδης
2005	Μπαλάσης Γεώργιος	Μελέτη ακτοπλοϊκού συστήματος κίνησης Ν. Δωδεκανήσου	Δημήτριος Β. Λυριδης
2005	Στεφανής Παντελής	Ανεύρεση, Οργάνωση και Αξιοποίηση Δεδομένων της Διεθνούς Εμπορικής Ναυτιλίας	Δημήτριος Β. Λυριδης
2005	Οικονομίδης Σπήλιος	Κρίσιμη Διερεύνηση Δομών και Ενεργειών για τον Περιορισμό και Έλεγχο της Πετρελαϊκής Ρύπανσης από Δεξαμενόπλοια - Εφαρμογή Μεθόδων Διαγραμμάτων Ρωών και Ανάλυσης Αποστολών	Δημήτριος Β. Λυριδης
2005	Βούδρης Θανάσης	Πρόβλεψη του Δείκτη του Χρηματιστηρίου της Βαλτικής (BDI) με Χρήση Γενετικών Αλγορίθμων (GA) σε Modular Πολυστρωματικά Νευρωνικά Δίκτυα (Modular MLP's)	Δημήτριος Β. Λυριδης
2005	Καπίδης Κυριάκος	Ανθρώπινος Παράγοντας & Ναυτικά Ατυχήματα	Δημήτριος Β. Λυριδης
2005	Λαΐνης, Σωτήριος	Μελέτη και σχεδίαση συστήματος εξυπηρέτησης γραμμών δημοσίου συμφέροντος στην Ελληνική Ακτοπλοΐα.	Χαρίλαος Ν. Ψαραύτης
2005	Τσιλιγγίρης, Παναγιώτης	A multi-stage decision-support methodology for the optimization of liner shipping markets	Χαρίλαος Ν. Ψαραύτης
2005	Παπαριστοδήμου, Γιώτα	Ανάλυση συστήματος ναυτικών ασφαλίσεων.	Χαρίλαος Ν. Ψαραύτης
2005	Σταυρίδης, Γεώργιος	Πετρελαϊκή ρύπανση από ατυχήματα δεξαμενοπλοίου στον Ελληνικό θαλάσσιο χώρο: κανονισμοί- στατιστική διερεύνηση- υποθέσεις εργασίας	Χαρίλαος Ν. Ψαραύτης
2006	Ευάγγελος Παύλος Ρούσος	Επιθεωρήσεις Πλοίων με Κυπριακή Σημαία: Ανάπτυξη Στοχαστικού Υποδείγματος για την Υποβολή Χάραξης Ναυτιλιακής Πολιτικής από τα Κράτη Σημαίας	Νικόλαος Π. Βεντικός
2006	Ιωάννης Γέμελος	Ο Ανθρώπινος Παράγοντας και η Συμμετοχή του στην Πρόκληση Ναυτικών Ατυχημάτων για Επιβατηγά Πλοία στον Ελλαδικό Θαλάσσιο Χώρο - Στατιστικά Μοντέλα και Προσέγγιση της Πιθανότητας Ανθρώπινου Σφάλματος	Νικόλαος Π. Βεντικός
2006	Ψιλογιαννόπουλος	Μελέτη εφικτότητας ανανέωσης μεσογειακού στόλου	Δημήτριος Β. Λυριδης
2006	Τζεφεράκου Τατιάνα	Μελέτη εφικτότητας ανανέωσης μεσογειακού στόλου	Δημήτριος Β. Λυριδης
2006	Πολυμενόπουλος Δ.	Forecasting Time Charter Rates Using Advanced Econometric Techniques	Δημήτριος Β. Λυριδης

2006	Νάννος Μιχάλης	Εναλλακτικές Μορφές Ναυτιλιακών Χρηματοδοτήσεων σε Σχέση με το Κόστος Κεφαλαίου	Δημήτριος Β. Λυριδης
2006	Χριστοδουλάκης Δημήτριος	Εναλλακτικές Μορφές Ναυτιλιακών Χρηματοδοτήσεων σε Σχέση με το Κόστος Κεφαλαίου	Δημήτριος Β. Λυριδης
2006	Χαραλάμπους Αναστάσιος	Ανάπτυξη Γραφικού Περιβάλλοντος Χρήστη και Προσαρμογή Λογισμικού Πρόβλεψης Ναύλων	Δημήτριος Β. Λυριδης
2006	Λένη, Αρχοντία	Σταθμός εμπορευματοκιβωτίων: από δημόσια σε ιδιωτική επιχείρηση-εφαρμογή στο λιμάνι του Πειραιά	Χαρίλαος Ν. Ψαραύτης
2007	Βασίλειος Βασιλείου	Μοντέλο Προσομοίωσης Φ/Ε Εμπορευματοκιβωτίων σε Τερματικούς Σταθμούς - Κατασκευή Μοντέλου	Νικόλαος Π. Βεντίκος
2007	Ιωσήφ Παπαγεωργίου	Μοντέλο Προσομοίωσης Φ/Ε Εμπορευματοκιβωτίων σε Τερματικούς Σταθμούς - Η Θεωρητική Προσέγγιση	Νικόλαος Π. Βεντίκος
2007	Ιωάννης Γιαννακόπουλος	ΕΚΤΙΜΗΣΗ & ΑΠΟΔΟΧΗ ΡΙΣΚΟΥ: Κριτήρια Αποδοχής Ρίσκου στον Τομέα της Ασφάλειας (Τεύχος Β)	Νικόλαος Π. Βεντίκος
2007	Δημήτριος Βούρος	ΕΚΤΙΜΗΣΗ & ΑΠΟΔΟΧΗ ΡΙΣΚΟΥ: Εκτίμηση Ρίσκου με Εφαρμογή στον Ελληνικό Θαλάσσιο Χώρο (Τεύχος Α)	Νικόλαος Π. Βεντίκος
2007	Παπανδρέου Ιωάννης	Προσομοίωση της Επιβατικής Κίνησης προς και από του Λιμένα Λαυρίου: Συνδυασμένες Μεταφορές - Ενολοιογικό Μοντέλο (Τεύχος Α)	Νικόλαος Π. Βεντίκος
2007	Βασιλείου Ιωάννης	Προσομοίωση της Επιβατικής Κίνησης προς και από του Λιμένα Λαυρίου: Συνδυασμένες Μεταφορές - Υπολογιστικό Μοντέλο (Τεύχος Β)	Νικόλαος Π. Βεντίκος
2007	Ηλιάδης Βασίλης	Ανάπτυξη & Διερεύνηση Βάσης Δεδομένων για Ναυτικά Ατυχήματα: Στατιστική Μελέτη Παραμέτρων των Θαλασσιών Μεταφορών και του Ανθρώπινου Παράγοντα	Δημήτριος Β. Λυριδης
2007	Κουτσούκου Ευγενία	Εκτίμηση δανειοληπτικής ικανότητας πλοιοκτητών και πιστωτικού κινδύνου τραπέζης – η περίπτωση των capsized bulk carriers	Δημήτριος Β. Λυριδης
2007	Ξύστρα Αλέκα	Σύγχρονες μορφές χρηματοδοτήσεων. Μελέτη περίπτωσης χρηματοδότησης Cement Carriers	Δημήτριος Β. Λυριδης
2007	Τουρλούπης Βασίλης	Μαθηματική Μοντελοποίηση και Επίλυση του Προβλήματος Δρομολόγησης Οχημάτων με Κέρδη	Δημήτριος Β. Λυριδης
2007	Φυγετάκης Δημήτρης	Διαχείριση Κρίσεων στην Εμπορική Ναυτιλία. Συσχέτιση με τον Κώδικα Ασφαλούς Διαχείρισης (ISM) και τον Διεθνή Κώδικα Ασφαλείας Πλοίων και Λιμενικών Εγκαταστάσεων (ISPS)	Δημήτριος Β. Λυριδης
2007	Αθανασιάδου Ελένη	Παραγωγικότητα Ναυπηγείου. Διαχείριση Επιχειρησιακής Επίδοσης	Δημήτριος Β. Λυριδης
2007	Αρμακόλλας Αλέξανδρος	Ανάπτυξη, Χρήση, και Αξιοποίηση Ηλεκτρονικού Ερωτηματολογίου Διερεύνησης Γνώσης στη Ναυπηγική Βιομηχανία	Δημήτριος Β. Λυριδης
2007	Σχίζα Αγγελική	Σχέση Ναυτιλιακών Παραγώγων και Εξέλιξης Επιπέδου Ναύλων	Δημήτριος Β. Λυριδης
2007	Πολυκάρπου, Χρήστος	Η προσφορά του Port State Control στη διεθνή ναυτιλία: οι παρατηρήσεις-ελλείψεις στα πλοία από τους ελέγχους PSC	Χαρίλαος Ν. Ψαραύτης
2007	Παναγιώτου, Σάββας	Η Κυπριακή ναυτιλία μετά την ένταξη της Κύπρου στην Ευρωπαϊκή Ένωση	Χαρίλαος Ν. Ψαραύτης
2008	Ζαγοραίος Γεώργιος	Μελέτη του Κόστους Αντιμετώπισης Πετρελαιοκηλίδων στον Ελλαδικό Χώρο	Νικόλαος Π. Βεντίκος
2008	Σύρος Χρήστος	Μελέτη Ναυτικών Ατυχημάτων Μέσω Δικτύων Πίστης - Τεύχος Α: Μοντέλο Προσάραξης	Νικόλαος Π. Βεντίκος
2008	Παπαμιχάλης Γεώργιος	Μελέτη Ναυτικών Ατυχημάτων Μέσω Δικτύων Πίστης - Τεύχος Β: Μοντέλο Σύγκρουσης	Νικόλαος Π. Βεντίκος
2008	Κοντόρης Παναγιώτης	Διαχείριση Λυμάτων στα Πλοία	Νικόλαος Π. Βεντίκος
2008	Κορρός Κωνσταντίνος	Μοντέλο Τύχης/Γήρανσης Κηλίδων Πετρελαίου Τεύχος Α	Νικόλαος Π. Βεντίκος
2008	Χατζηκωνσταντίνου	Μοντέλο Τύχης/Γήρανσης Κηλίδων Πετρελαίου Τεύχος Β	Νικόλαος Π. Βεντίκος
2008	Αδαμαντίδης Γεώργιος	Μελέτη των επιπτώσεων από τη διαρροή υδροποιημένου φυσικού αερίου από υγραεριοφόρα σκάφη	Νικόλαος Π. Βεντίκος

2008	Μπαλαούρας Ιωάννης	Ανάπτυξη και εφαρμογή μοντέλου από τη διαρροή υγροποιημένου φυσικού αερίου από υγραεριοφόρα σκάφη	Νικόλαος Π. Βεντικός
2008	Στέφανος Γαβράς	Μελέτες σκοπιμότητας γραμμών Κρήτης	Δημήτριος Β. Λυριδης
2008	Μπάχος Αρης	Στρατηγική Διαπραγμάτευσης Ναυτιλιακών Παραγώγων με Χρήση Τεχνητών Νευρωνικών Δικτύων	Δημήτριος Β. Λυριδης
2009	Ασημομύτης Ιωάννης	Μεθοδολογίες Καταγραφής, Παρακολούθησης και Ανάλυσης Λειτουργικών Δεδομένων Πλοίων ως Μέτρο Βελτίωσης της Ασφάλειας - Εφαρμογή σε Μελέτη Περίπτωσης	Νικόλαος Π. Βεντικός
2009	Ραμαντάνης Ηλίας	Στοιχεία για την Αλληλεπίδραση Ναυτιλίας και Κλιματικών Αλλαγών	Νικόλαος Π. Βεντικός
2009	Ξηρός Αναστάσιος	Development of Web Application for the Assistance of Safety Inspections	Νικόλαος Π. Βεντικός
2009	Μεταξάς Πέτρος	Ανάπτυξη μελέτης για την αποτίμηση απειλών με χρήση στοιχείων από τη θεωρία παιγνίων	Νικόλαος Π. Βεντικός
2009	Σκαβάρας Παναγιώτης	Χημικές κηλίδες από τις θαλάσσιες μεταφορές: Εφαρμογή στον Ελλαδικό θαλάσσιο χώρο	Νικόλαος Π. Βεντικός
2009	Σπυρίδων Διονύσιος Μάργαρης	Εισαγωγή στην αντίληψη του ρίσκου με χρήση διαγραμμάτων επιρροής	Νικόλαος Π. Βεντικός
2009	Στέφανος Τζατζάκης	Ανάλυση σεναρίων - ρίσκου για τη μελέτη της ασφάλειας - Εφαρμογή στη βιομηχανία	Νικόλαος Π. Βεντικός
2009	Χρήστου Νίκος	Ανάλυση του Φαινομένου της Αναμονής των Πλοίων έξω από τα Λιμάνια και η Επίδρασή του στην Ναυλαγορά	Δημήτριος Β. Λυριδης
2009	Καραγιάννης Νίκος	Αξιολόγηση Ναυτιλιακών Επενδύσεων σε Πλοία Μικρού Μεγέθους	Δημήτριος Β. Λυριδης
2009	Austin Donald	Μελέτη Σκοπιμότητας μεταξύ Πλοίων LPG και LNG στη Σύγχρονη Ναυτιλία	Δημήτριος Β. Λυριδης
2009	Τσιούμας Βαγγέλης	Μελέτη της Αγοράς Πλοίων Φορτίου Χύδην. Τελευταίες Εξελίξεις.	Δημήτριος Β. Λυριδης
2009	Δαλέζιου Σοφία	Στρατηγική Διαπραγμάτευσης Ναυτιλιακών Παραγώγων με Χρήση Τεχνητών Νευρωνικών Δικτύων σε Βραχυπρόθεσμο και Μακροπρόθεσμο Ορίζοντα	Δημήτριος Β. Λυριδης
2010	Ιωάννα Γενηκομίδου	Διερεύνηση του Επιχειρησιακού Επιπέδου για την αντιμετώπιση πετρελαιοκηλίδων με χρήση πολυπρακτορικών μοντέλων ενόψει της κατασκευής του πετρελαιοαγωγού Μπουργκάς-Αλεξανδρούπολη	Νικόλαος Π. Βεντικός
2010	Ιωάννης Γιαννόπουλος	Εκτίμηση και αξιολόγηση κοινωνικού ρίσκου στη ναυτιλία. Εφαρμογή στον ελληνικό θαλάσσιο χώρο	Νικόλαος Π. Βεντικός
2010	Σπυριδούλα Νάργου	Ανακύκλωση Πλοίων: Πρακτικές, Λήψη Αποφάσεων και Αποτελέσματα	Νικόλαος Π. Βεντικός
2010	Κωνσταντίνος Οικονόμου	Στατιστική Ανάλυση Ναυτικών Ατυχημάτων Πυρκαγιάς/Εκρήξης στον Παγκόσμιο Στόλο	Νικόλαος Π. Βεντικός
2010	Γεώργιος Καραδήμας	Reliability analysis/mapping for marine vessels: results and conclusions	Νικόλαος Π. Βεντικός
2010	Αλέξανδρος Λεβαντής	Ρυμουλκήσεις Πλοίων: Μελέτη, Πρακτικές και Αποτελέσματα	Νικόλαος Π. Βεντικός
2010	Νικόλαος Αργυρού	Απάντηση Πετρελαιοειδών από Ναυάγια - Θεωρία, Μέθοδοι και Πρακτική Εφαρμογή	Νικόλαος Π. Βεντικός
2010	Νικόλαος Βάγιας	A Bayesian Network Application for the Prediction of Human Fatigue in the Marine Industry	Νικόλαος Π. Βεντικός
2010	Μαρίνος Σαραντής	Εφαρμογή για τη Μείωση των Αέριων Εκπομπών Διοξειδίου του Άνθρακα από τα Πλοία	Νικόλαος Π. Βεντικός
2010	Θεόδωρος Λογοθέτης	Ανάλυση του Ανθρώπινου Παράγοντα για τις Μη-Τεχνικές Δεξιότητες στη Ναυτιλία - Μελέτη σε Έλληνες Αξιωματικούς	Νικόλαος Π. Βεντικός
2010	Κονταξάκης Γιώργος	Μοντελοποίηση της ναυλαγοράς ξηρού φορτίου με χρήση τεχνητών νευρωνικών δικτύων λαμβάνοντας υπ'όψιν επιπλέον μακροοικονομικούς παράγοντες	Δημήτριος Β. Λυριδης
2010	Κολλιαράκη Μαρία Αγγελική	Αξιολόγηση της Μεθόδου της Τεχνικής Ανάλυσης στην Περίπτωση Μετοχών Ναυτιλιακών και Μεταφορικών Εταιρειών Εισηγμένων σε Χρηματιστήρια	Δημήτριος Β. Λυριδης
2010	Βαρελάς Δημήτρης	Εύρεση της Ζήτησης για Θαλάσσιες Μεταφορικές Υπηρεσίες μέσω Τεχνικών Ερευνητικής Μεθοδολογίας	Δημήτριος Β. Λυριδης

2010	Νικολάου Κωνσταντίνος	Μοντελοποίηση Ναυλαγοράς με την Θεωρία του Χάους	Δημήτριος Β. Λυριδης
2010	Παπακωνσταντίνου, Χρήστος	Η νέα σύμβαση του IMO και η επίδρασή της στον κλάδο ανακύκλωσης πλοίων	Χαρίλαος Ν. Ψαραύτης
2010	Γεωργόπουλος, Αντώνιος	Βελτιστοποίηση δικτύου άγονης γραμμής	Χαρίλαος Ν. Ψαραύτης
2010	Πέτσιου, Μαριάννα	Μελέτη σκοπιμότητας νέου λιμένα Μυκόνου	Χαρίλαος Ν. Ψαραύτης
2010	Μαυρογιάννης, Βασίλειος	Βελτιστοποίηση της σειράς προσόρμισης πλοίων και της ταξινόμησης των γερανογεφυρών σε container terminal	Χαρίλαος Ν. Ψαραύτης
2010	Ντάρτσια, Ολγα	Βελτιστοποίηση προσόρμισης και φορτοεκφόρτωσης σε container terminal	Χαρίλαος Ν. Ψαραύτης
2011	Κωνσταντίνος Νικολαΐδης	Τεχνολογίες Ανιχνεύσης και Εντοπισμού Ατόμων σε Κρουαζιερόπλοια	Νικόλαος Π. Βεντικός
2011	Αλέξανδρος Κοϊμτζόγλου	Ανάλυση τεχνικών εργασιών και μεθοδολογιών ναυαγιαίρεσης σε βυθισμένα πλοία	Νικόλαος Π. Βεντικός
2011	Ανδρέας Ανδριτσόπουλος	Ανάλυση ατυχημάτων ναυσιπλοΐας στο Αιγαίο Πέλαγος	Νικόλαος Π. Βεντικός
2011	Κωνσταντίνος Λούζης	Μελέτη ρίσκου για ναυάγια στην Ελλάδα	Νικόλαος Π. Βεντικός
2011	Ηλίας Βαλαάμης	Μελέτη Σκοπιμότητας για την Κατασκευή Μαρίνας στο Νησί της Σύμης	Νικόλαος Π. Βεντικός
2011	Ειρήνη Γρηγορίου	Ανάπτυξη μοντέλου για την εκτίμηση παραγωγής αποβλήτων που προκύπτουν από τις επιχειρήσεις αντιμετώπισης πετρελαιοκηλίδων	Νικόλαος Π. Βεντικός
2011	Παναγιώτης Σωτήραλης	Πιθανοθεωρητική μελέτη διαρροών πετρελαίου από Δ/Ξ: Ποσότητες & Κόστος	Νικόλαος Π. Βεντικός
2011	Χρήστος Χρυσουγής	Μελέτη και ανάλυση ατυχημάτων πλοίων τύπου Γενικού Φορτίου	Νικόλαος Π. Βεντικός
2011	Παναγάκης-Παναγόπουλος Χαράλαμπος	Απογραφή αέριων εκπομπών από πλοία: ανάλυση μοντέλου για το νησί της Σαντορίνης	Νικόλαος Π. Βεντικός
2011	Γεράσιμος Κοφινάς	Εκτίμηση της "αξίας" ρύπανσης από πετρελαιοκηλίδες στις ελληνικές θάλασσες: εφαρμογή της μεθόδου υποθετικής αξιολόγησης	Νικόλαος Π. Βεντικός
2011	Στεργίου Στέφανος	Προσομοίωση της συμπεριφοράς ναυτιλιακών μετοχών και εύρεση αποδοτικού μετώπου με χρήση της μεθοδολογίας της Γενικευμένης Αυτοπαλίνδρομου Ετεροσκεδαστικότητας Υπό Συνθήκες (GARCh)	Δημήτριος Β. Λυριδης
2011	Μπαράτσας Στέφανος	Βέλτιστος Συνδυασμός Τεχνολογιών που Μειώνουν το Κόστος και την Εκπομπή Καυσαερίων από Πλοία	Δημήτριος Β. Λυριδης
2011	Μέργος Αντώνιος	Μελέτη της Σχετικής Αποδοτικότητας Ελληνικών Ναυτιλιακών Εταιρειών	Δημήτριος Β. Λυριδης
2011	Κατζουρός Νικόλαος	Επίδραση Τιμών Πετρελαίου και Ισοτιμιών στη Ναυλαγορά Πλοίων Φορτίου Χύδην (Υγρού – Ξηρού)	Δημήτριος Β. Λυριδης
2011	Δαλέζιος Ιωάννης	Χρηματιστήρια Ρύπων και Υπολογισμός Χρηματοπιστωτικών Μονάδων με Στόχο την Μείωση Εκπομπών Ρύπων από Πλοία	Δημήτριος Β. Λυριδης
2011	Ανδρουτσόπουλος Α.	Στρατηγική Βέλτιστης Προμήθειας Πετρελαιοειδών Πλοίων	Δημήτριος Β. Λυριδης
2011	Παπαγιαννόπουλος Κώστας	Μελέτη Σκοπιμότητας Ναυπηγοεπισκευαστικής Μονάδας και Χώρου Φύλαξης Σκαφών Αναψυχής	Δημήτριος Β. Λυριδης
2011	Κουλούρης Κωνσταντίνος	Συγκριτική Αξιολόγηση Αλυσίδων Μεταφοράς Προϊόντων	Δημήτριος Β. Λυριδης
2011	Δράκος Κωνσταντίνος	Μελέτη και Αξιολόγηση της Ναυτιλιακής Συστάδας (Maritime Cluster) της Σαγκάης (Κίνα)	Δημήτριος Β. Λυριδης
2011	Σταματοπούλου, Ειρήνη	Επίδραση κανονισμών για την κλιματική αλλαγή: εκτίμηση μετατόπισης φορτίου σε άλλα μεταφορικά μέσα	Χαρίλαος Ν. Ψαραύτης
2011	Παπακώστας, Γεώργιος	Δείκτης Σχεδίασης Ενεργειακής Αποδοτικότητας (EEDI)	Χαρίλαος Ν. Ψαραύτης
2011	Ροδίτης, Ευάγγελος	Αποτίμηση εκπομπών CO ₂ σε σταθμό εμπορευματοκιβωτίων	Χαρίλαος Ν. Ψαραύτης
2012	Δημήτριος Σταύρου	Πόντιση υποβρυχίων καλωδίων, ο στόλος, η διαδικασία και μελέτη αξιοπιστίας Υ/Β δικτύου μέσης τάσης	Νικόλαος Π. Βεντικός
2012	Ρηγόπουλος Θεοδωρής	Διερεύνηση της Αποτελεσματικότητας Χρήσης Τεχνολογιών ICT στη Διαχείριση Εφοδιαστικών Αλυσίδων	Δημήτριος Β. Λυριδης

RESEARCH GRANTS AND CONTRACTS

Multi-partner projects coordinated by NTUA are shown in bold.

Subcontracts and small projects not included in list.

Total funding handled via NTUA LMT: about 10 million euros (nominal value).

Total funding to NTUA LMT: about 6 million euros (nominal value).

1. "Advanced Technology to Optimize Manpower Onboard Ships- ATOMOS project" (February 1992- October 1994). Commission of European Communities, Directorate General for Transport - EURET Programme (multi-partner project, DSB Ferries Leader).
2. "Greek Coastal Shipping: Status,Prospects, and Investment Opportunities" (January - December 1993). Hellenic Industrial Development Bank (ETBA).
3. "A Decision Support System for Fast Oil Spill Response" (January 1994- December 1995). General Secretariat of Research and Technology (GGET).
4. "Technological and Human Aspects of Maritime Efficiency and Safety - THAMES project" (October 1994- September 1995). Commission of European Communities, Directorate General for Transport - APAS Programme (multi-partner project, DSB Ferries Leader).
5. "Advanced Technologies to Optimize Maritime Operational Safety, Integration, and Interface, - ATOMOS II project" (January 1996- December 1998). Commission of European Communities, Directorate General for Transport -Transport Research Programme (multi-partner project, DSB Ferries Leader).
6. "Safety of Shipping in Coastal Waters- SAFECO Project" (January 1996- December 1997). Commission of European Communities, Directorate General for Transport -Transport Research Programme (multi-partner project, Det Norske Veritas Leader).
7. **"Technical Secretariat, Concerted Action on Shortsea Shipping," (June 1995- March 2000). Commission of European Communities, Directorate General for Transport -Transport Research Programme (multi-partner project, NTUA Leader, H.N. Psaraftis Consortium Manager).**
8. "Demonstrators for Integrated Ship Control- DISC project," (October 1996- April 1997) Commission of European Communities, Directorate General for Transport -Transport Research Programme (multi-partner project, Scandlines Leader).
9. "Demonstrators for Integrated Ship Control- DISC II/ATOMOS III project," (February 1998- December 1999) Commission of European Communities, Directorate General for Transport -Transport Research Programme (multi-partner project, Scandlines Leader).
10. "Safety of Shipping in Coastal Waters- SAFECO II Project" (January 1998- December 1999). Commission of European Communities, Directorate General for Transport -Transport Research Programme (multi-partner project, Det Norske Veritas Leader).
11. "Promotion of Shortsea Shipping and Inland Waterway Transport by the use of Modern Telematics – PROSIT project" (January 1998-December 1999). Commission of European Communities, Directorate General for Transport -Transport Research Programme (multi-partner project, Freie Hansestadt Bremen Leader).
12. "Advanced Technology to Optimize Maritime Operational Safety: Intelligent Vessel – ATOMOS IV project" (January 2000-December 2002). Commission of European Communities, Directorate General for Transport -Transport Research Programme (multi-partner project, Leader: Danish Maritime Institute).
13. "Added Value Network Concerning European Shipping – ADVANCES project" (April 2000-March 2003). Commission of European Communities, Directorate General for Transport -Transport Research Programme (multi-partner project, Leader: BMT Murray Fenton Edon Liddiard Vince Limited).
14. "Thematic Network on Maritime Safety – THEMES project" (May 2000-April 2003). Commission of European Communities, Directorate General for Transport -Transport Research Programme (multi-partner project, Leader: Det Norske Veritas).
15. "The European Maritime Virtual Institute – EVIMAR project" (February 2001 –January 2003). Commission of European Communities, Directorate General Research (multi-partner project, Leader: Danish Maritime Institute).
16. "Tools and Routines to Assist Ports and Improve Shipping – TRAPIST project" (May 2002-April 2005). Commission of European Communities, Directorate General for Transport and Energy -Transport Research Programme (multi-partner project, Leader: Nautical Enterprise Centre Ltd.).
17. "Maritime Transport Coordinated Action- MTCP project" (April 2004- March 2007). Directorate General for Transport and Energy –6th Framework Programme (multi-partner project, Leader: BMT).

18. "Development of an Operational System and Methodology to Determine the Environmentally, Legally and Socioeconomically Optimal Routes of Transit of Oil Reserves of the Caspian Sea to the Mediterranean via the Aegean Sea- project AEGEAN". General Secretariat of Research and Technology (2003-2006).
19. EQUAL, NEORION II, "Improvement of Competitiveness and Employment in Shipbuilding", Ministry of Development (2003-2004).
20. INTEGRATION, "Integration of Sea Land Technologies for an Efficient Intermodal Door-to-Door Transport", 6th Framework Programme, DG-Research, (2004-2007).
21. MARQUAL, "Improving Quality of Maritime Operations through Modeling Business Processes in Shipping", 5th Framework Programme, DG-Transport (2004-2006)
22. EQUAL, PLO-IGOS, Improvement of Competitiveness and Employment in Shipbuilding" 2nd Phase, Ministry of Development (2004-2006).
23. Oil Sea Harvester- OSH project" (December 2004- November 2007). Directorate General for Research –6th Framework Programme (multi-partner project, Leader: Alstom Chantiers de l' Atlantique).
24. **"Elimination Units for Marine Oil Pollution- EU-MOP project" (February 2005-January 2008). Directorate General for Research –6th Framework Programme (multi-partner project, Leader: NTUA, H.N. Psaraftis Consortium Manager).**
25. "European Framework for Safe, Efficient, and Environmentally Friendly Ship Operations- FLAGSHIP project" (2006-2009) Directorate General for Research –6th Framework Programme (Integrated Project, Leader: European Community Shipowners Association).
26. "Motorways of the Sea, European Style- MOSES Project" (2007-2010) Directorate General for Transport and Energy –6th Framework Programme (Integrated Project, Leader: MARINTEK).
27. "Effective Bulk Transport," Gift Agreement funded by Det Norske Veritas (January 2008- December 2010).
28. "Ship Air Emissions Study," Study funded by Hellenic Chamber of Shipping (January- June 2008).
29. "Optimal Containership Size and its Impact on Liner Shipping Operations," NOL Fellowship Programme, in cooperation with National University of Singapore (project leader) (June 2008- May 2010).
30. "Assessment of Environmental Impact in Marine Transportation and Related Activities," project funded by American Bureau of Shipping (June 2008-May 2011).
31. "Programme Agreement with Port of Thira," service contract funded by Municipality of Thira (Santorini) (November 2008- November 2012).
32. "Programme Agreement with Port of Kos on the relocation of the commercial port" service contract funded by Municipality of Kos, June 2009-June 2010.
33. **"Supporting EU's Freight Transport Logistics Action Plan on Green Corridors Issues- project SuperGreen"- 7th Framework Programme, DG-MOVE (Coordinated Action, Consortium Leader: NTUA, H.N. Psaraftis Consortium Manager) (January 2010-January 2013).**
34. "Centre of Excellence in Ship Total Energy-Emissions-Economy" project funded by The Lloyds Register Educational Trust. NTUA-LMT in Tracks 3 and 4 (Feb. 2010- Feb. 2015).
35. **"Envi-Shipping: Green Assessment of a Ship's Lifecycle" multi-partner project funded by the General Secretariat of Research and Technology, Consortium Leader: NTUA, H.N. Psaraftis Consortium Manager (May 2011-May 2014).**
36. "Transtools III" 7th Framework Programme, DG-Research, Consortium Leader Technical University of Denmark (March 2011-March 2014).
37. TrainMoS" - 2011-EU-21004-S- in the field of the trans-European transport networks, European Commission TEN-T (2012-2014)