



SCHOOL OF NAVAL
ARCHITECTURE &
MARINE ENGINEERING

LABORATORY FOR MARITIME TRANSPORT NEWSLETTER No 20 January – March 2012



<http://www.martrans.org>



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NATIONAL TECHNICAL
UNIVERSITY OF ATHENS

Dear Reader,

The electronic newsletter of the Laboratory for Maritime Transport (LMT) of NTUA is issued regularly to inform you regarding our current and forthcoming activities. You are warmly encouraged to visit our website (www.martrans.org) for further information and to contact us about your enquiries. Your feedback will be highly valued. Kind regards...

The LMT Staff

Harilaos Psaraftis shares Efkranti award with Panos Zachariadis



The Efkranti 2011 award winners

In a ceremony at the beautiful setting of the Laskarides library in Piraeus in early February, the 2011 Efkranti awards were presented. The ceremony was organized by the magazine "Naftika Chronika" in cooperation with the Hellenic Association of Maritime Economists (ENOE), and the awards were once again given to some 8 personalities, companies and organizations of the Greek Shipping community that marked 2011 with their contribution.

The award for the best international representation of the Greek shipping industry was jointly handed out to Harilaos Psaraftis of LMT and to Panos Zachariadis of Atlantic Bulk Carriers Management Ltd. Both have been members of the Greek delegation to the International Maritime Organization (IMO) in recent years and have advised industry and government on matters related to maritime safety and environmental protection. In his acceptance speech, Prof. Psaraftis thanked the organizers for the honor and said that that careful preparation and support of policy positions is important and can make the difference.

This is the third industry award that LMT or a member of the LMT staff receives in the last few years. LMT has already received two Lloyds List Greek Shipping awards: the 'Piraeus International Centre Award' in 2008 and the award for 'Achievement in Safety or Environmental Protection' in 2010.

IMO: Market Based Measures



Panos Zachariadis and George Seferiadis of the Greek delegation, in session at MEPC 63

The 63rd session of the Marine Environment Protection Committee (MEPC 63) took place from February 27 to March 2, 2012 under the chairmanship of Mr. Andreas Chrysostomou (Cyprus). From LMT, Harilaos Psaraftis attended the meeting as a member of the Greek delegation.

On the Market Based Measures (MBMs) front, Greece came back this year and reiterated its last year's proposal to narrow down the MBMs on the table to just two groups, the International GHG Fund and the Emissions Trading Scheme (ETS). The rationale for this proposal included the argument that several hybrid MBMs included the ship's Energy Efficiency Design Index (EEDI) within their formulation and therefore could not be considered, as EEDI cannot be applied to existing ships. Even though some delegations were sympathetic to the idea to narrow down the list of MBMs, there was no such decision, and in fact all MBMs are still on the table.

There was a long discussion on the use of EEDI for existing ships, with several delegations coming very strongly against such a prospect, and it was clarified that EEDI is only to be used for existing ships. Still, this does not mean that the two hybrid MBMs (by the US and by Japan-WSC) will be eliminated.



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There were two additional instances in which discussion on MBMs did not reach a conclusion at MEPC 63: (a) An informal proposal by developing countries on how to move as regards technical cooperation and transfer of technology to them in the context of GHGs was put on hold until the next MEPC, due to reservations by developed countries, and (b) The same happened to the Chairman's proposal to conduct an impact assessment study of MBMs, which was tabled for the next MEPC mainly due to reservations from developing countries.

It was acknowledged that no consensus could be reached on either (a) or (b) at this time, and these should be left for MEPC 64 and beyond. MEPC 64 will be in October 2012.

SUPERGREEN's second birthday



The SuperGreen project completed its second year on January 14, 2012. Three weeks later, on February 7, the 2nd annual EU review of the project took place in the premises of DG-MOVE in Brussels. Four external evaluators and the Project Officer had the opportunity to review and comment on numerous reports produced by the project during its second year. Harilaos Psaraftis, Dimitris Lyridis and George Panagakos representing both the management of the project and LMT were among the 17 consortium staff that attended the meeting. The general feedback received was very positive acknowledging significant progress accomplished during the reporting period.



The SuperGreen EU review in session, Brussels, 7/2/2012.

On the occasion, the combined 3rd General Assembly and 7th Project Management Committee meeting took place the previous day in the facilities of Procter & Gamble in Brussels. Participants rehearsed the presentations of the following day and planned other imminent project activities.

SUPERGREEN at the TRA2012 Conference



Important presence has been granted to SuperGreen at the Transport Research Arena Conference (TRA

2012), to be held in Athens, Greece, from 23rd to 26th of April, 2012. <http://www.traconference.eu/>

An oral presentation of the paper entitled "Green corridors in European surface freight logistics and the SuperGreen project" will be given during the Thematic Session THS15 (Freight Transport I - P II) in the afternoon of April 24. Two more poster presentations will be given: "Green corridors by means of ICT applications" in the morning of April 24 (Pillar VI), and "Investigating freight corridors towards low carbon economy: evidence from the UK" in the afternoon of April 25 (Pillar II).

Furthermore, "Green corridors in Europe" will be the subject of a special session organized by LMT in the late afternoon of April 24 (SPS4). A panel of esteemed speakers from the European Commission, the European Community Shipowners' Associations, the Swedish Transport Administration, Scania and NewOpera Aisbl, moderated by Harilaos Psaraftis, will discuss the prospects of the green corridor concept and debate the policy recommendations that have initially suggested by the project.

In addition, Harilaos Psaraftis will participate as invited speaker at the Strategic Session "Efficient Services for Intermodal Freight Transport and Logistics", scheduled for the morning of April 24.

More details will be given with our next edition of the LMT newsletter. Until then, we hope to see many of you in the TRA2012 Conference.



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Transport logistics-related events ahead

In addition to TRA 2012, LMT is involved in at least 5 conferences or symposia that include a transport logistics content and will take place in the foreseeable future: (a) the Odysseus 2012 international workshop on freight transportation and logistics in Mykonos (May), (b) the International Forum on Shipping, Ports and Airports 2012 in Hong Kong (May) (c) the Posidonia conference (June), (d) the EURO 2012 conference in Vilnius (July) and (e) the International Symposium on Mathematical Programming 2012 in Berlin (August). More details in forthcoming newsletters.

LMT student thesis gets 1st prize from the Greek Section of SNAME



In the 2011 contest of the Greek Section of the Society of Naval Architects and Marine Engineers (SNAME) among the best diploma theses submitted to the School of Naval Architecture and Marine Engineering of the National Technical University of Athens, an LMT thesis won first place. The award went to Mr. Panagiotis Sotiralis with the thesis entitled: "Analysis of Probabilistic Oil Outflow from Tankers: Quantities & Costs". The thesis was supervised by Assistant Professor Dr. N.P. Ventikos.

This thesis deals with topics related (a) to the transportation of oil by tankers and (b) to marine pollution as result from tanker collisions, contacts and groundings; its aim is the statistical analysis of probabilistic oil spills of different

accidental scenarios with regards to all size categories of the tanker fleet (e.g. aframax, suezmax etc). In effect, regulations of MARPOL covering probabilistic outflow were effectively combined with advanced statistical analysis, with the optimization of vessel design (namely of the cargo space of tankers), and with economic assessment so as to come up with optimized cargo tanks of tankers, in terms of oil outflow for selected marine accidents. The award ceremony took place in the Auditorium of Maran in Kallithea, Athens on Jan 19th, 2012.

Safety4Sea Symposium

Energy

Efficiency



Harilaos Psaraftis gave a talk summarizing the main policy developments and prospects after the adoption of EEDI at the IMO at the Safety4Sea Energy Efficiency Symposium, held at the Eugenides Foundation in Athens in early March. To see a video of this talk (in English), please visit this link:

<http://www.youtube.com/watch?v=QUF-7MJns5w>

LMT post doc joins brokerage firm in Paris



Konstantinos G. Gkonis, PhD graduate and member of LMT for many years, has been since last October with Barry Rogliano Salles (BRS) shipbrokers in Paris, France. Dr. Gkonis joined BRS's research department as its tanker markets' specialist, covering LNG shipping, oil tankers, and other marine energy markets. All of us at LMT wish Kostas good luck with his new job.



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External evaluation of the NA&ME School

Pursuant to the provisions of Law 3374/2005, the External Evaluation of the School of Naval Architecture and Marine Engineering (NA&ME) of the NTUA took place in late March. The evaluation was conducted by a team of 4 expert evaluators drawn from the registry established by the Hellenic Quality Assurance and Accreditation Agency (also known as ADIP). Originally established as a stream within the Mechanical Engineering Department of NTUA (1969), the School of NA&ME has grown from the original faculty of 3 (1972) to 28 today, with an additional 25 research and technical staff members, and a student body of about 600 undergraduate, 100 graduate, and 75 doctoral students. By international standards, it is among the largest departments in its discipline and it is commensurate to the prominence of the Greek merchant fleet in the world. The Laboratory for Maritime Transport is one of the School's 6 Labs. NA&ME is the 2nd department at NTUA that undergoes this process.

SNAME SOME Symposium update

Some 50 abstracts have been received for the 4th International Symposium on Ship Operations, Management and Economics (SOME), organized by SNAME's Greek Section and to be held in Athens on Nov. 8-9, 2012. Submission of full papers is due by April 20. MEPC Chairman Andreas Chrysostomou will be the keynote speaker of this symposium. Prof. H. Psaraftis is the Symposium's chairman and Dr. N. Ventikos is the chairman of the papers committee.

LMT Thesaurus compiled

A recently completed document is the "LMT Thesaurus". The document 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. The Thesaurus is complementary to material such as the LMT web site, various project web sites, LMT newsletters and annual reports, and the publications themselves. To take a glimpse of the LMT Thesaurus, please visit this link:

http://www.martrans.org/docs/LMT_bible.pdf

MEETINGS AND EVENTS attended by LMT staff

- Copenhagen Research Forum: Visions for Horizon 2020, Lyngby, Denmark, Jan. 16.
- "Energy & Shipping" seminar, IENE, Athens, Greece, Feb. 3.
- SuperGreen PMC/GA, Brussels, Belgium, Feb. 6.
- SuperGreen EU review, Brussels, Belgium, Feb. 7.
- Efkranti Shipping Awards, Piraeus, Greece, Feb. 9.
- PhD thesis defense of Elin Halvorsen-Ware, Trondheim, Norway, Feb. 21.
- MEPC 63, IMO, London, UK, Feb. 27-Mar. 2.
- Safety4Sea Energy Efficiency Forum, Athens, Greece, Mar. 8.
- School of NA&ME external evaluation, Zografou, Greece, Mar. 26-30.

PAPERS, PRESENTATIONS & SPEECHES by LMT staff

- Psaraftis, H.N., "Green house gases after EEDI adoption: what now." Invited talk at the Safety4Sea Energy Efficiency Forum, Athens, Greece, Mar. 8.
- 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.
- 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.
- 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.



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PICTURE GALLERY



Morten Østergaard, Minister for Science, Innovation and Higher Education, addressing the audience at the Copenhagen Research Forum: visions for Horizon 2020, held at the DTU campus, Lyngby, Denmark on January 16, 2012.



Members of the PhD thesis adjudication panel Harilaos Psaraftis, Irina Gribkovskaia and Lars Magnus Hvattum (chair), together with PhD candidate Elin Halvorsen Weare and thesis advisor Kjetil Fagerholt after a successful thesis defense at NTNU in Trondheim, Norway, on February 21, 2012.



George Panagakos and Dimitris Lyridis at Grand Place, Brussels, February 5, 2012. Temperature: -5 C.



The Greek delegation at IMO/MEPC 63 at lunch time, Kathari Deytera, February 27, 2012. Taramosalata, lagana, and dolmades were included in the menu.