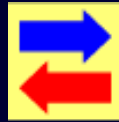




SCHOOL OF NAVAL
ARCHITECTURE &
MARINE ENGINEERING

LABORATORY FOR MARITIME TRANSPORT
NEWSLETTER No 11
October – December 2009



<http://www.martrans.org>



N.T.U.A.
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

* HAPPY NEW YEAR *

The Laboratory for Maritime
Transport

wishes to all of you

Health
Happiness
Success

in a fruitful



- With our best compliments -

**LMT present in Green Corridor
Conference**

Close to 300 people participated at the Green Corridors Conference hosted by



the European Commission (DG-TREN) in Brussels in early December 2009. Green Corridors are a European concept denoting long-distance freight transport corridors where advanced technology and co-modality are used to achieve energy efficiency and reduce environmental impact. Launched in the Freight Transport Logistics Action Plan, Green Corridors support the EU's agenda towards decarbonising transport while emphasising the need for efficient logistics. The conference took stock of existing Green Corridor projects across Europe, discussed the main issues related to their implementation and launched a new initiative in support of the Green Corridor concept.

Atle Minsaas of Marintek (Norway) and Harilaos Psaraffis gave a joint presentation on the launching of the new SuperGreen project. All presentations of the conference are available at this link:

http://ec.europa.eu/transport/sustainable/events/2009_12_09_green_corridors_conference_en.htm

**SuperGreen slated to kick off in
February**

The kick off meeting of project SuperGreen is scheduled to take place in Athens on Feb. 2-3, 2010.

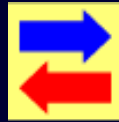
This 3-year project is a Coordinated Action supported by the European Commission (DG-TREN) in the context of the 7th Framework Programme. The purpose of the project is to promote the development of European freight logistics in an environmentally friendly manner. Environmental factors play an increasing role in all transport modes, and holistic approaches are needed to identify





SCHOOL OF NAVAL
ARCHITECTURE &
MARINE ENGINEERING

LABORATORY FOR MARITIME TRANSPORT NEWSLETTER No 11 October – December 2009



<http://www.martrans.org>



N.T.U.A.
NATIONAL TECHNICAL
UNIVERSITY OF ATHENS

'win-win' solutions. NTUA-LMT is the Coordinator of the project, in which a total of 22 partners participate.

The stakeholders that will be engaged in the SuperGreen project include: transport operators, terminal operators including ports, infrastructure operators, authorities etc. responsible for developing and maintaining the infrastructure, cargo owners (shippers), industry / consultants, Non Governmental Organisations (NGOs), environmental organisations, authorities responsible for social and spatial planning and R&D. In addition to industry partners, an external Advisory Committee of industrial and other stakeholders will be connected to the project. Through a 3-year programme of studies, networking, data dissemination and expert engagement, SuperGreen will work with all stakeholders to identify and seek solutions to bottlenecks.

More information on SuperGreen can be found at www.supergreenproject.eu (to be fully operational soon) and will be also regularly updated via this newsletter and via other specialized newsletters and newsflashes.

People interested to link up with this project are encouraged to contact us at supergreen@martrans.org.

Psarftis delivers keynote lectures

Prof. Psarftis delivered two invited keynote lectures within October. The first was entitled "Fast Waterborne Transport in the Emissions Reduction Era: in Search of Win-Win Policies," and was delivered at the 10th International Conference on Fast Sea Transportation (FAST 2009), held in Athens.



The second lecture was entitled "Challenges in European Short Sea Shipping," and was delivered at the 13th Congress of Intl.

Maritime Association of the Mediterranean (IMAM 2009), held in Istanbul, Turkey.

Both papers can be found at the LMT web site.

IMO business

LMT involvement in IMO business continued at two fronts. Within the MSC (Maritime Safety Committee), the newly formed FSA Group of Experts, chaired by Mr. Koichi Yoshida of Japan, met at IMO headquarters in London in early November in order to review the set of FSA studies submitted to the IMO. The studies concern cruise vessels, Ropax ships, LNG carriers and containerships. Based on the reviews of these FSA studies, the group is tasked to prepare a report for discussion at the next meeting of MSC (MSC 87), to be held in London in May 2010. Prof. Psarftis is a member of this group, representing Greece.



A parallel development concerns the MEPC (Marine Environment Protection Committee), and specifically the correspondence group on environmental risk evaluation criteria within FSA. The group is coordinated by Prof. Psarftis and submitted its report for discussion at the next MEPC (MEPC 60), to be held in March 2010. At MEPC 60 there will be a working group to further discuss these criteria.

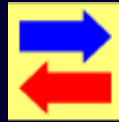
LMT at MEDAYS 2009 in Morocco

LMT Assistant Professor D.V. Lyridis was invited and participated on November 20 & 21 in the Annual Conference MEDAYS (Mediterranean Days) 2009 organised in Tangier (Morocco) by the AMADEUS Institute and supported by the Moroccan Government through the Ministry of Foreign Affairs.



SCHOOL OF NAVAL
ARCHITECTURE &
MARINE ENGINEERING

LABORATORY FOR MARITIME TRANSPORT NEWSLETTER No 11 October – December 2009



<http://www.martrans.org>



N.T.U.A.
NATIONAL TECHNICAL
UNIVERSITY OF ATHENS

The conference, attended by Ministers of Foreign Affairs of many African States as well as Spain and by main high ranking officials of EU and African States, focused on many issues ranging from the Society, Economy and Energy to Safety and Security.

Lyridis' intervention/presentation and following discussion was part of the C2 Panel "Maritime security in the Mediterranean: An example of successful cooperation" and contained a summary of current security issues in the Mediterranean as well as suggestions on strategic and operational level measures concerning vessel/shipping security.

Life Cycle CO2 emissions

LMT participated at the RINA Conference on the Design and Operation of Bulk Carriers, held in Athens in late October, via a paper that takes a critical look at life cycle CO2 emissions.



The paper, co-authored by Gratsos, Psaraftis and Zachariadis compares life cycle emissions of two alternative bulk carrier designs and concludes that ships built to more robust specifications emit less CO2 during their life time than other ships built to less robust specifications.

IAPH Africa/Europe regional meeting

The IAPH Africa/Europe Regional Meeting was held in Hamburg, Germany in mid November 2009, hosted by the Hamburg Port Authority (HPA). Nearly 100 IAPH members from 24 countries mostly in Africa and Europe participated in the event. NTUA- LMT, an Associate Member of IAPH since 2002, was represented at the meeting by Prof. Psaraftis.



The three-day event officially started with two key note addresses by Jens Meier, CEO, Hamburg Port Authority, and IAPH President Gichiri Ndua delivered at the Opening Session on the morning of November 17. At the end of the meeting, IAPH President Ndua praised the excellent work performed by IAPH Secretary General Satoshi Inoue since 1999, who stepped down and handed over reigns at the IAPH Tokyo secretariat to Mr. Susumu Naruse effective 1 December 2009. NTUA-LMT participates in IAPH's Port Operations and Logistics Committee and in the Port Environment Committee.

LMT graduate in Hamburg Business School

Hamburg School of Business Administration (Germany) has launched the Maritime Business School, concentrating its activities in the areas of Shipping and Ship Finance. Professor Orestis Schinas, an LMT doctoral graduate, is the Head of the Maritime Business School. Professor Schinas presented during the opening the interesting results of a survey among a focus group consisting of decision-makers in internationally operating shipping companies.

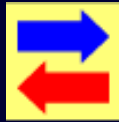
Meetings and Events attended by LMT staff

- 10th International Conference on Fast Sea Transportation (FAST 2009), Athens, Greece, Oct. 5-8
- ABS-NTUA project Steering Committee meeting, Athens, Greece, Oct. 9.
- 13th Congress of Intl. Maritime Assoc. of Mediterranean (IMAM 2009), Istanbul, Turkey, Oct. 12-15



SCHOOL OF NAVAL
ARCHITECTURE &
MARINE ENGINEERING

LABORATORY FOR MARITIME TRANSPORT
NEWSLETTER No 11
October – December 2009



<http://www.martrans.org>



N.T.U.A.
NATIONAL TECHNICAL
UNIVERSITY OF ATHENS

- 2nd International Conference Risk Analysis and Crisis Response (RACR 2009), Beijing, China, Oct. 19-21
- First China-Europe Risk Forum, Beijing, China, Oct. 22-23
- SNAME Annual Meeting 2009, Providence, Rhode Island, USA, Oct. 20-24
- RINA Conference on the Design and Operation of Bulk Carriers, Athens, Greece, Oct. 26-27
- Formal Safety Assessment (FSA) Group of Experts meeting, IMO Headquarters, London, UK, Nov. 2-5
- Seminar on "Energy & Foreign Policy", Institute of Energy for South East Europe, Athens, Greece, Nov. 9
- 3rd Energy Week, Institute of Energy for South East Europe, Athens, Greece, Nov. 11
- Hamburg School of Business Administration Seminar Series, Hamburg, Germany, Nov. 16
- International Association of Ports and Harbors Europe-Africa Regional Meeting, Hamburg, Germany, Nov. 16-18
- MEDAYS (Mediterranean Days) 2009 Annual Conference, Tangier, Morocco, November 20-21
- 6th International Conference "Strategy 2009", Hellenic Institute of Strategic Studies, Athens, Greece, Nov. 24-25
- European Commission (DG-TREN) Conference on Green Corridors, Brussels, Belgium, Dec. 9
- 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, October 19-21, 2009, Beijing, China.
- 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.
- Panagakis-Panagopoulos C., Ventikos N.P., "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), October 5-8, 2009, Athens, Greece.
- 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.
- Psaraftis, H.N., "Challenges in Maritime and Intermodal Logistics," invited lecture, Hamburg School of Business Administration, November 16, 2009, Hamburg, Germany.
- 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.
- Psaraftis, H.N., Kontovas, C.A., "A web-based open emissions calculator", Int. J. Ocean Systems Management, Vol. 1, No. 2, 2009.
- Psaraftis, H.N., Kontovas, C.A., Kakalis, N., "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.
- Ventikos N.P., Chatzinikolaou S.D., Zagoraios G., "The Cost of Oil Spill Response in Greece: Analysis & Results", Proceedings of the 13th Congress of the International Maritime Association of the Mediterranean (IMAM 2009), October 12-15, 2009, Istanbul, Turkey.

**Papers, presentations and speeches
published / presented by LMT staff**

- 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.
- Kontovas, C.A., Psaraftis, H.N., "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.
- Lusis K., Koimtzoglou A., Ventikos N.P., "The Risk of Wrecks or the Wreck of Risks? The Greek Paradigm", New