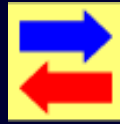




SCHOOL OF NAVAL
ARCHITECTURE &
MARINE ENGINEERING

LABORATORY FOR MARITIME TRANSPORT
NEWSLETTER No 2
April – August 2007



<http://www.martrans.org>



N.T.U.A.
NATIONAL TECHNICAL
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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

**SPOTLIGHT:
SSE07 Symposium**

The International Symposium on Maritime Safety, Security and Environmental Protection (SSE07), which LMT is organizing and which will be held on September 20 and 21, 2007 in Athens, promises to be a top event.

Some 50 papers are scheduled to be presented, with speakers coming from many parts of the world. The Secretary General of the IMO Mr. E. Mitropoulos will deliver the keynote address of the symposium, which is under the auspices of The Hellenic Chamber of Shipping (NEE), the Hellenic Marine Environment Protection Association (HELMEPA), the Society of Naval Architects and Marine Engineers (SNAME), the International Association of Maritime Economists (IAME) and the World Maritime University's Journal of Maritime Affairs, which will serve as an outlet for papers presented at the symposium.

SEE ALSO THE LAST PAGE OF THE NEWSLETTER.



IMO: Psaraftis to coordinate MEPC correspondence group

Following the participation of Prof. Psaraftis last year at the 81st and 82nd sessions of IMO's Maritime Safety Committee (MSC 81 and MSC 82) as a member of the Greek delegation, this time LMT held center stage at the 56th session of IMO's Marine Environment Protection Committee (MEPC 56) that took place in London in July 2007.

Greece's submission to MEPC 56 dealt with environmental risk evaluation criteria in Formal Safety Assessment (FSA) and was prepared by Prof. Psaraftis and his former student Christos Kontovas. After discussion, the MEPC decided to form a

'correspondence group', coordinated by Prof. Psaraftis and tasked to further investigate the matter and report to the IMO in time for MEPC 57 (April 2008). The area of environmental risk evaluation criteria is important if one is to properly decide which risk control options are most cost-effective from an environmental viewpoint.

The relevant submission of Greece (doc. MEPC 56/18/1) can be found on LMT's web site (section on maritime safety).

Presentation of book on coastal shipping and cabotage

Some 150 people attended the presentation of the new book of Prof. Psaraftis entitled "Greek coastal shipping and cabotage", which took place late March at the premises of the Eugenides Foundation, the book's publisher.

Comments about the book were delivered by George Gratsos, President of the

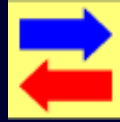
Hellenic Chamber of Shipping, Michael Sakellis, President of the Union of Coastal Shipping Enterprises and Stratos Papadimitriou, Assistant Professor at the University of Piraeus. The 294-page book is bilingual (Greek and English), includes a collection of about 20 papers and articles written by the author from 1992 to 2006 and comments on developments in the sector of coastal shipping in Greece during this period. After the book presentation, a lively discussion on the status and





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prospects of Greek coastal shipping took place among the panel and the audience.



Prof. J. Tzoannos (right), Secretary General of the Ministry of Mercantile Marine, addressing the audience. From left to right: M. Sakellis, G. Gratsos, G. Skordilis (moderator), H. Psaraffis and S. Papadimitriou.

IAME 2007

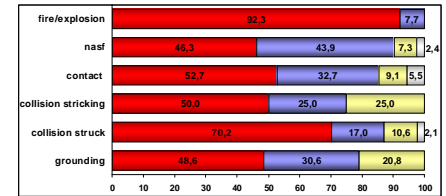
LMT actively participated at IAME 2007, the annual conference of the International Association of Maritime Economists, which took place in July in Athens, Greece. Prof. Psaraffis delivered one of the keynote speeches of the conference, on the challenges of international waterborne transport. Also, three papers were presented, reflecting the research undertaken at LMT in the field of port financing, competition & investments in LNG shipping, and RFID technology in container transport (see section on papers for more details).

POP-C project

In late April, the final POP&C PMC meeting was held in Brussels, Belgium. The objectives of this research project were to formulate a risk-based methodology to measure the oil spill potential of tankers and to develop risk-oriented passive pollution prevention and active post accident pollution mitigation and control frameworks. The main participation of LMT was focused on consequence- and risk- based assessment of post accident activities including the integration of advanced technologies, the study of the human factor and the analysis of onboard procedures. In effect, the LMT group identified weaknesses of the current Risk Index scheme, presented a list of efficient Pollution Control Options (PCOs), assessed the role of the crew (and of the onshore personnel)



from a safety point-of-view, elaborated quantified results from a number of case studies integrating a simulation approach etc.



PhD thesis defense

The Ph.D. title was awarded on May 25, 2007 to Panayotis Zacharioudakis from LMT, who successfully defended his thesis entitled "Development of Decision Tools in Shipping". The research supervisor was Ass. Professor D.V. Lyridis of LMT.

Regarding the content of the thesis, FORESIM can generally be described as a simulation procedure applied in the shipping market. The procedure was developed in order to produce future freight rates realizations depended to the current state of the market. The procedure is the first to introduce the concept of generating freight rate realizations conditional upon the current or the preceding market states and of embedding explanatory and stochastic modeling. Therefore, it creates tool for acquiring quality information regarding the trend of the market taking into consideration unforeseen parameters as well as the present status of the market. The main applications of FORESIM are the following:

- Decision support for trading Future Freight Agreements (FFAs) and various shipping market derivatives;
- Chartering strategy - spot or time charter, duration, etc.;
- Risk management for shipping investments, in combination with cash flow and Monte Carlo simulations providing distribution for financial variables;
- Estimation of financing risk, such as probability of default, etc."

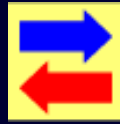
Greek Shipping Awards 2007

Prof. Psaraffis will be again a member of the panel of judges for the Lloyd's List Greek Shipping Awards 2007 - he had previously chaired that panel in the 2004 contest. As in past years, the award winners will be judged by an independent panel representing a cross-section of Greek shipping and composed of industry luminaries. This year's panel of judges also includes Nicos Efthymiou, president, Union of Greek Shipowners, Philip Embiricos, president, Bimco, Nick Fistes,



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chairman, Intertanko, George Gratsos, president Hellenic Chamber of Shipping, John Halas, general secretary Panhellenic Seamen's Federation, Mathew Los, treasurer Greek Shipping Co-operation Committee, Nigel Lowry, Athens correspondent, Lloyd's List, Nicky Pappadakis, chairman, Intercargo and Helmepe, Jenny Pournaras-Bardavilias, mediator, and Christiana Prekezes, head of maritime section, Helmepe.

The event is officially supported by a number of leading industry organizations, including the Union of Greek Shipowners, the Hellenic Chamber of Shipping and the Greek Shipping Co-operation Committee, based in London. Other supporting entities this year are the Hellenic Shipbrokers Association, the Association of Greek Passenger Shipping Companies, Helmepe, the Propeller Club, International Port of Piraeus and Wista Hellas. The winners for 2007 will be unveiled at the gala presentation dinner on December 7, 2007 in Athenaeum InterContinental Hotel, Athens, Greece.

Meetings and Events

attended by LMT staff

- SINTEF's Steering Committee Meeting on Strategic Project in Maritime Transportation and Logistics (H.N. Psaraftis member), Trondheim, Norway, April 17, 2007.
- CHINOS 2nd PMC Meeting, Thessaloniki, Greece, April 26-27, 2007.
- "Emissions from Ships: Dealing with a new environment" Petrosport Workshop, Athens, Greece, May 8, 2007.
- "EU Short Sea Shipping: Perspectives and Challenges" Workshop, Athens, Greece, May 10, 2007.
- 1st International Scientific Conference on Competitiveness and Complementarity of Transport modes, Perspectives for the Development of Intermodal Transport, Chios, Greece, May 10-12, 2007.
- POP&C Final PMC meeting and Technical Workshop, Brussels, Belgium, April 23-24, 2007.
- Oslo Shipping Forum organised by Lloyds' List and Mare Forum in the context of Nor Shipping, Oslo, Norway, June 12, 2007.
- EU-MOP 9th PMC Meeting, Glasgow, UK, June 14-15, 2007.
- OSH PMC and Technical Meeting, Nantes, France, June 21-22, 2007.

- 1st Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE / CECOTOX), Skiathos, Greece, June 24-28, 2007.
- MOSES kick-off meeting, Brussels, Belgium, June 26-27, 2007.
- IAME 2007, Athens, Greece, July 4-6, 2007.
- 22nd European Conference on Operational Research (EURO 2007), Prague, Czech Republic, July 8-11, 2007.

Papers

published / presented by LMT staff

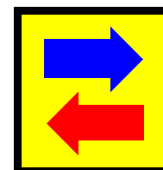
- Psaraftis, H.N., "Short Sea Shipping: EU actions and prospects" (in Greek), Presentation at workshop on EU Short Sea Shipping, Athens, Greece, May 2007.
- Psaraftis, H.N., "Institutional Models for the Piraeus Port Authority" (in Greek), 1st International Scientific Conference on Transport modes / Intermodal Transport, Chios, Greece, May 2007.
- Nitsopoulos, S. and H.N.Psaraftis, "Mediterranean Short Sea Shipping: Time for Changes", as above.
- Lyridis, D.V., N.P.Ventikos, G.N.Kapetanis, P. Anaxagorou and P.Zacharioudakis, "Technological Design in Intermodal Door-to-Door Transport Chains", as above.
- Tsilingiris, P. and C.Torres, "Dry vis-à-vis water ports: Partners or competitors? The case of Spain", as above.
- Chatzinikolaou, S., S.Nitsopoulos, and N.P.Ventikos, "Shipboard Wastes, Elements and Critical Review", 1st CEMEPE / CECOTOX, Skiathos, Greece, June 2007.
- Lyridis, D.V. "Predicting the unpredictable", Oslo Shipping Forum, Oslo, Norway, June 2007.
- Psaraftis, H.N. "Public Financing at EU seaports: The Case of Greece", IAME 2007, Athens, Greece, July 2007.
- Gkonis, K.G. and H.N.Psaraftis, "Investment rules and competition patterns in LNG shipping: a Game Theory approach", as above.
- Tsilingiris, P.S., H.N.Psaraftis, and D.V.Lyridis "Radio Frequency Identification (RFID) Technology in Ocean Container Transport", as above.
- Tsilingiris, P.S., N.P.Ventikos, and H.N.Psaraftis, "Dynamic Systems in the Ocean Container Industry: Status and Perspectives". 22nd Eur. Conf. on Operational Research, Prague, Czech Republic, July 2007.
- Ventikos, N.P., "The Importance of Safe Refuge Areas/Ports for the Safety of Maritime Transport", Naftemporiki newspaper, 13 Aug 2007.



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**INTERNATIONAL SYMPOSIUM ON
MARITIME SAFETY, SECURITY
AND ENVIRONMENTAL
PROTECTION**
September 20-21, 2007
Athens, Greece

Following the successful International Symposia on Maritime Safety organized by the University of Piraeus in 1998 and the University of the Aegean in 2001, the National Technical University of Athens announces the International Symposium on Maritime Safety, Security and Environmental Protection (SSE07). The Symposium is organized by the Laboratory for Maritime Transport at NTUA (www.martrans.org).

The Symposium aims at bringing together ship operators, managers, academics and policy-makers to discuss and debate important issues facing the industry as regards safety, security and environmental protection.

**THE SYMPOSIUM IS UNDER THE AUSPICES
OF:**

The Hellenic Chamber of Shipping (NEE)

The Hellenic Marine Protection Association (HELMPEPA)

The International Association of Maritime Economists
(IAME)

The Society of Naval Architects and Marine Engineers
(SNAME)

The World Maritime University's Journal of Maritime
Affairs

WISTA Hellas

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KEYNOTE ADDRESS

The symposium's keynote address will be delivered by Mr. Efthymios Mitropoulos, Secretary General of the International Maritime Organization (IMO).

SYMPOSIUM WEB SITE

Please go to

<http://www.martrans.org:8093/symposium/>

The site will update information on the symposium.

VENUE

The Symposium will be held at the premises of the Eugenides Foundation in Athens.

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17564 Palaio Faliro (Amphithea)

Athens, Greece

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www.eugenfound.edu.gr

**REGISTRATION & HOTEL
ACCOMMODATION**

Please go to the Symposium web site for registration rates and procedure for registration and hotel accommodation.

Registration by July 31, 2007 gets lower rates.