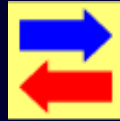




SCHOOL OF NAVAL
ARCHITECTURE &
MARINE ENGINEERING

LABORATORY FOR MARITIME TRANSPORT
NEWSLETTER No 1
January – March 2007



<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 will be 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

The year that passed – 2006 overview

2006 was a good year for LMT. The year that passed saw, among other things:

- The approval by the NTUA Senate of the formal establishment of LMT (May 2006).
- The approval of three (3) new FP6 projects (see next topics).
- The successful completion of the AEGEAN project.
- The successful continuation of all ongoing projects.
- Lots of work on teaching and student thesis supervision.
- The active participation of LMT in IMO affairs (see below).

IMO business

The year that passed saw LMT being actively involved in IMO affairs. H.N. Psaraftis participated as an advisor to the Union of Greek Shipowners in two IMO Maritime Safety Committee (MSC) meetings, MSC81 in London (May 2006) and MSC82 in Istanbul (November-December 2006). Participation was related to Formal Safety Assessment (FSA). A paper, outgrowth of the diploma thesis of LMT graduate C.A. Kontovas, was in fact submitted by Greece to the IMO and was on the agenda of MSC82. LMT's involvement in this subject is likely to continue into 2007. Details can be found on LMT's site (www.martrans.org, section 'library', page 'maritime safety').

New Projects

Times are indeed busy for LMT research-wise. Besides continuing work on projects EU-MOP, OSH, POP&C, and MTCP, LMT is starting three (3) new FP6 projects: CHINOS, FLAGSHIP and MOSES.

CHINOS: Container Handling in Intermodal Nodes – Optimal and Secure!

CHINOS, whose anticipated duration is 3 years and kick-off date October 2006, aspires to employ RFID technology to enhance container handling practices both from a commercial and a legal/security aspect.



CHINOS is coordinated by ISL (Germany), while LMT is the leader of 3 work packages and actively involved in many other (CHINOS' website www.martrans.org/chinos).

FLAGSHIP

The overall objective of FLAGSHIP is to improve the safety, environmental friendliness and competitiveness of European maritime transport. The project will contribute to a further increase in the capacity and reliability of freight and passenger services and to a reduction of the negative impact from accidents and emissions. The emphasis of the project is on on-board systems and procedures, ship management systems on shore, impact of new technology on present shipowner and operator organisations, effective and efficient communication interfaces and the impact of standards and regulations.



The coordinator of the project is ECSA and the duration of the project will be 4 years.

MOSES

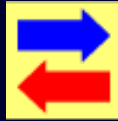
MOSES' main goal is to develop a blue print establishing the detailed criteria and conditions for developing an innovative *European network of Motorways of the Sea* (MoS) as part of the Trans-European Transport Network (TEN-T). A critical factor is to complement the research on constraints and solutions for the development of the sea motorways with research on how the marketing of the intermodal sea motorways may best be achieved. One of the challenges will be to remove the barriers that make the existing intermodal door-to-door solutions more like an endless row of crossroads with red traffic lights, by transforming port terminals into seamless motorways junctions linking sea transport efficiently with all other surface transport modes.

The coordinator of the project is MARINTEK (Norway) and its duration will be 3 years.



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Meetings and events

- Jan. 10, 2007: LMT alumni event, NTUA, Zografou, Greece.
- Jan. 17-18, 2007: EAMARNET conference, Harbin, China.
- Jan. 26, 2007: CHINOS WP1 technical meeting, Athens, Greece.
- Jan. 29, 2007: EU-MOP technical meeting, Athens, Greece.
- Feb. 8, 2007: FLAGSHIP SP D2 meeting, London, UK.
- Feb. 13-14, 2007: FP7 Info Days, Brussels, Belgium.
- Feb. 15, 2007: CHINOS WP6 technical meeting, Bremen, Germany.
- Feb. 28 - March 1, 2007: IAPH Europe - Africa regional meeting, Sines, Portugal.
- March 1-2, 2007: EU-MOP PMC meeting, Estoril, Portugal.
- March 6-7, 2007: OSH PMC meeting, Piraeus, Greece.
- March 12, 2007: CHINOS WP1/WP2 coordination meeting, Vienna, Austria.
- March 21, 2007: Presentation of H.N. Psaraffis' new book "Greek coastal shipping and cabotage", Eugenides Foundation, Athens, Greece.
- March 22, 2007: Talk by H.N. Psaraffis at SNAME Greek Section entitled "Important Issues in Risk-Based Regulation and Design", Athens, Greece.
- March 26-27, 2007: MTCP workshop, Brussels, Belgium.
- March 30, 2007: Day of Greek Merchant Marine, Athens, Greece.

Papers

published /presented by LMT staff

- Zachariadis, P., H.N. Psaraffis and C.A. Kontovas, "Risk Based Rulemaking and Design: Proceed with Caution", RINA conference on Developments in Classification and International Regulations, London, January 2007.
- Psaraffis, H.N., "Greece's condemnation on EC Regulation 4055/86", Naftika Chronika, January 2007 (in Greek).
- Ventikos N.P., K. Lambrinakis, S. Nitsopoulos and D.V. Lyridis, "Fires/Explosions Onboard Greek Vessels: The Hazards, the Records & the Statistical Trends", EAMARNET Conference, Harbin, China, January 2007.
- -, Journal of Harbin Engineering University, Editorial Dpt. of HEU Journal, Vol. 27/ Suppl., ISSN: 1006-7043, pp.1-8.

- Turan, O. *et al*, "Design and Operation of Small to Medium scale Oil-spill Cleaning Units", SAFETOW Conference, Glasgow, March 2007.

Awards

On 14th December 2006 took place the annual competition organized by the Greek section of SNAME for the best thesis of 2006 among the students of the School of Naval Architecture and Marine Engineering of NTUA. The competition was hosted in the Kristen Navigation auditorium.

The tradition of awards to LMT staff continued, as Spyros Nitsopoulos' diploma thesis "The Renewal of the Mediterranean Short Sea Fleet, as a Strategy for the Development of Short Sea Shipping" received the 1st prize.



SNAME secretary, C. Maounis and the branch's president H. Psaraffis flank the 4 student finalists

SSE-07 Symposium

Preparation for the SSE07 Symposium is in full swing. More than 80 abstracts have been received for the International Symposium on Maritime Safety, Security and Environmental Protection that LMT is organizing and which will be held on September 20 and 21, 2007 in Athens. The Hellenic Chamber of Shipping (NEE), the Hellenic Marine Environment Protection Association (HELMEPA) and the Society of Naval Architects and Marine Engineers (SNAME) have put the symposium under their auspices. Details can be found on the symposium's website (www.martrans.org/sse07).