

OBJECTIVES

Sea transport of goods and passengers is constantly undergoing a meaningful rise due to the globalisation of economy, thus provoking a trade speeding up and the specialization of ships and port terminals, with the support of the concept of comodality and its environmental face ecomodality.

Ports, are the decisive and needed node in the transport chain, must serve the maritime transport as an infrastructure providing an smooth change between modes of transport. These aspects shall be framed by the quality and environment-friendliness criteria that administrations and society require.

In this regard, protection of the port environment, safety and security have become key points for the development of modern maritime transport. In addition, the influence of human factor on board the ships has to be strongly considered as a decisive element for safe, secure and clean operations.

The MT'12 Conference should be attended by researchers, scientists, academics, professionals, entrepreneurs, and all people involved in shipping and also in maritime training from any country. In its 2012 edition, administrations, institutions and companies will find a forum to meet, to exchange and to discuss their own achievements.

CONFERENCE TOPICS

The aim of MT'12 Conference is to present and discuss contributions, studies, works, thesis and projects on the latest results of maritime transport.

CALL FOR ABSTRACTS

Authors are requested to submit abstracts in English of no more than 300 words, emphasizing the topic, originality of the work, main results and possible applications. The scientific committee will review all the papers presented. All accepted papers will be published in the Conference Proceedings.

CONFERENCE LOCATION

Arranged by the Local Organising Committee, the MT '2012 Conference will take place in Barcelona.

Barcelona, the capital of Catalonia, is located in the north-east of Spain, off the Mediterranean coast. It enjoys a warm, welcoming climate and pleasant temperatures all year round. The city is two thousand years old. Its history has left its mark in its architectural, artistic and cultural heritage. Its excellent international communications and its cosmopolitan atmosphere make it a privileged city indeed. The city, with its long-standing tradition in the organisation of events, is amongst the leading congress cities in Europe.

The Barcelona of the 21st century is a European capital of astonishing cultural energy and a passion for progress, a city whose day-to-day life brings together every imaginable facet of the most diverse activities, which are the potential that fashion the city's present and provide the impetus to move forward into the future

The port of Barcelona is one of the first in the Mediterranean. The importance of the container traffic should be highlighted as it is a key factor in making the Port of Barcelona one of the first logistics platform in Southern Europe. Barcelona is also the first port for cruise ships in Europe and the fourth for car carriers. Barcelona port tries to be the southern door for central Europe.

VENUE

In Barcelona, the MT '12 Conference will be held at the Faculty of Nautical Studies of Barcelona, (Pla del Palau, 18) near the old city and the harbour.

LANGUAGE

The language of the MT'2012 Conference will be English.

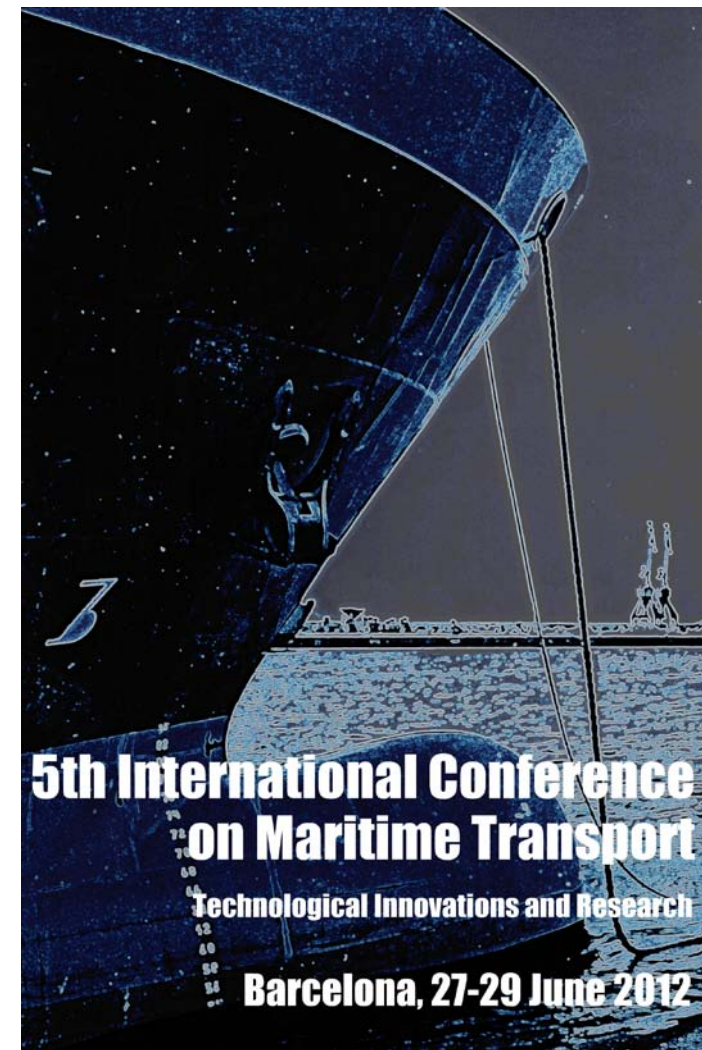
CONFERENCE PROCEEDINGS

The conference proceedings containing the full typescript of all contributions presented at the conference will be delivered at the registration in a digital version with ISBN number. Anyway, if authors are interested to acquire a high standard book on demand, copies should be required through the Conference Secretariat when authors pay the conference fees.

RELEVANT DATES

Abstract submission	30th November 11
Provisional acceptance	20th December 11
Final paper submission	15th February 12

**1st announcement and
call for abstracts**



Departament de Ciència
i Enginyeria Nàutiques

UNIVERSITAT POLITÈCNICA DE CATALUNYA

SUGGESTED TOPICS

Ports:

- ☰ Private and public port infrastructures
- ☰ Communications port - hinterland
- ☰ Internationalization of ports
- ☰ Logistic zones
- ☰ ZAL- Centers of transport
- ☰ RFID & location systems at Ports

Shipping Business

- ☰ Ships and port operations, facilities and cargo handling
- ☰ Short sea and multimodal transport
- ☰ Productivity and exploitation of maritime transport

Environment

- ☰ Protection
- ☰ Sea pollution and environmental protection
- ☰ Ships and ports safety
- ☰ ISPS code: ships and ports security

Human Element

- ☰ Working hours, fatigue and rest on board
- ☰ Leadership and team management
- ☰ Seafarers' welfare
- ☰ Managing of emergency situations

Maritime Education and Training

- ☰ Simulators and multimedia resources
- ☰ Computer-based assessments in seafaring training
- ☰ Online training

Ships and navigation

- ☰ Navigation systems
- ☰ Ship development and emerging technologies
- ☰ Ship dynamics and stability

- ☰ Control systems and manoeuvring
- ☰ Marine engineering
- ☰ Ship propulsion, equipment and automation
- ☰ Preventive and predictive maintenance
- ☰ e-navigation and e-maritime

CONFERENCE FEES

Before 15th February 2012..... 450 €
After 15th February 2012..... 510 €

Fees include:

Participation in all conference sessions during three days
Conference proceedings' pendrive at conference start
Coffee breaks during the conference
Lunches during the conference
Conference dinner, on Thursday 28th June.

HOTEL ACCOMMODATION

By request, the congress secretariat can provide you a list of hotels near the Conference location.

CONFERENCE DIRECTORS

Francesc Xavier Martínez de Osés **Director**

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Universitat Politècnica de Catalunya - Barcelona TECH

Marcel·la Castells i Sanabra **Academic Secretary**

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CONFERENCE SECRETARIAT

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Deadline for conference registration and abstract submission (on-line registration on the website:)

<http://mt2012.upc.edu/home>

Deadline submission for abstracts:
30th November 2011