

## 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 a 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 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 together with e-maritime initiatives

The MT'20 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 2020 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'20 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

<https://mtconference.upc.edu/en/call-for-abstracts>

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 '2020 Conference will take place in Barcelona School of Nautical Studies. The origins of the Barcelona School of Nautical Studies date back to 1769. The founder was Sinibald Mas i Gas, a pilot born in Torredembarra and trained in Seville and Cartagena. After serving in the Marina Real, he was captured by Algerian corsairs and forced to work as a pilot in corsair ships for six years. In 1768 he was released and redeemed thanks to the efforts made by the Brotherhood of Socorro Mutuo "Sant Elm" and in 1769 he arrived in Barcelona where he proposed to the Junta de Comerç the creation of a Nautical School, a request that was accepted.

The Barcelona School of Nautical Studies began its activity in the Barceloneta on June 26th, 1769, with five students and Sinibald as the only teacher. In 1770 the School already had 23 students and in 1772 it had 2 teachers. At present, since 1990, the Barcelona School of Nautical Studies is attached to the Universitat Politècnica de Catalunya (BarcelonaTech) and has over 60 teachers and 500 students.

The current building of the Faculty, of neoclassical style and located in the Pla de Palau dates from 1932 and is the work of the architects Adolf Florensa and Josep Vilaseca. Its central part was designed to serve as a framework for the model of the ship San Carlos which you can still admire inside

## VENUE

In Barcelona near the old city and the harbour.

## LANGUAGE

The language of the MT'2020 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

<b>Abstract submission</b>	<b>24<sup>th</sup> November 2019</b>
<b>Provisional acceptance</b>	<b>20<sup>th</sup> December 2019</b>
<b>Final paper submission</b>	<b>23<sup>rd</sup> February 2020</b>

**1<sup>st</sup> announcement and  
call for abstracts  
8<sup>TH</sup> INTERNATIONAL  
CONFERENCE ON  
MARITIME TRANSPORT**

## SUGGESTED TOPICS

### Ports:

- ☰ Port infrastructures and operational challenges
- ☰ Hinterland and foreland. Globalization
- ☰ Fourth and next generation ports
- ☰ Logistic zones. ZAL- Centres of transport
- ☰ Port CDM
- ☰ RFID & location systems at Ports
- ☰ Ships and ports safety and security
- ☰ Superyachts Marinas

### Shipping Business

- ☰ International Maritime Business
- ☰ Eco/Co/multimodal transport
- ☰ Exploitation of maritime transport

### Environment

- ☰ Ocean sustainability and protection
- ☰ Sea pollution and environmental protection
- ☰ Plastic and othe garbage accumulationNoise pollution

### Human Element

- ☰ Working hours, fatigue and rest on board
- ☰ Leadership and team management

- Seafarers' welfare
- Empowering of women

#### Maritime Education and Training

- Simulators, multimedia and App resources
- Computer-based assessments in seafaring training
- Online training and refreshing 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
- Sea traffic management

### CONFERENCE FEES

Before 1<sup>st</sup> March 2020..... 400 €  
 After 1<sup>st</sup> March 2020 ..... 450 €

#### Fees include:

- Participation in all conference sessions during two days
- Conference proceedings' pendrive at conference start
- Coffee breaks during the conference
- Lunches during the conference
- Conference dinner, on Thursday 25<sup>th</sup> June.

### HOTEL ACCOMMODATION

Information about hotel accommodation can be obtained at:

<https://mtconference.upc.edu/en/practical-information>

### CONFERENCE DIRECTORS

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

<https://mtconference.upc.edu/en>

**Deadline submission for abstracts:  
 24<sup>th</sup> November 2019**

