

## SUSTAINABLE MARINE TRANSPORTATION

Marine transportation system includes means of transport, but also ports, waterways, and land-side facilities that allow for the various modes of transportation to move goods and people to, from and on the water.

The total value of freights transported by marine vessels is expected to increase rapidly during the next years, while marine passenger transport is experiencing rapid growth in response to land-transport congestion. This rapid development requires an effort to analyze the benefits and possible impacts associated to marine transportation, examining possible arising problems and developing techniques to handle these problems.

Analyzing economic opportunities, benefits and impacts associated with marine transportation, focusing on key aspects like safety, security, environment, efficiency are among the aims of this technical session. Risk management in marine transportation, including risk assessment and risk communication within the specific characteristics of marine transportation systems, is also one of the focused topics of the session.

Papers are welcome in any research area related to the following but not limited topics:

- Marine transportation safety
- Marine transportation efficiency
- Risk management in marine transportation
- Environmental aspects related to marine transportation
- Facilities managements
- Security aspects in marine transportation

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Short Curriculum Vitae

Mirko Marracci (M'10) was born in Viareggio, Italy, in 1977. He received the M.S. degree in electrical engineering from the University of Pisa, Pisa, Italy, in 2001 and the Ph.D. degree in Energetic in 2005. Since 2005, he has been with the Department of Electrical Systems and Automation, now DESTeC of the University of Pisa, where he is currently an Associate Professor of Electrical Measurements. His main research fields concern measurements, characterization of materials, sensors and electromagnetic compatibility.