



Invitation to brokerage event:

Knowledge from research on Lightweight materials and advanced joining techniques for the maritime industry

When

22nd of June 2017, 12:00 – 16:45

Where

Amaliegade 33B, 1256 Copenhagen:



What

Center of Maritime Technologies e.V.(CMT) in cooperation with Maritime Development Center (MDC), TINV and the Danish Society for Naval Architecture and Marine Engineering Foundation (DSNAME) invites you to a workshop on constructing technology within the maritime industry.

The aim of the workshop is to gain knowledge and benefit from research. We also desire to put a spotlight on the further development of these technologies. What does it mean for the upcoming new-buildings?

By participating, you get firsthand knowledge, when our two speakers share their perspective of the subjects. Afterwards, we will discuss the presented material, seeking a total coverage of the given insight. We invite you to contribute with your questions and comments, in order to create a lively debate with a great outcome.



Topics to be addressed

- Lightweight Material (Fibre reinforced plastics) for maritime applications (SOLAS Vessels and OFFSHORE)
- Joining techniques for multi-material structures (Bonding) and steel structures for special purposes (Friction Stir Welding)

Content overview

Lightweight material and advanced joining techniques are in many industrial applications state of the art. However, in maritime the application of above-mentioned technologies has only touched the offshore sector as well as commercial shipping/shipbuilding. This workshop will give an end-user based view on the technologies, their benefits, risks and the next steps towards a wider application.

The participants will get an overview about the technologies including pros, cons and bottlenecks. In the discussion and Q&A slot, we are happy to receive feedback from the end-users on their expectations, needs and requirements.

The workshop will contribute to the next research projects. The overall aim is to offer a wider variety of designs and materials to boost the economic and ecologic impact (in a positive way, off course).

Programme

Start	End	Duration	Agenda Item
12:00	13:00	01:00	Lunch
13:00	13:15	00:15	Welcome
13:15	13:30	00:15	Introduction Lightweight Materials, Design, Rules
13:30	14:00	00:30	Designs and Rules
14:00	14:30	00:30	Applications and Best Practices
14:30	14:45	00:15	Discussion, Q&A
14:45	15:00	00:15	Break
15:00	15:15	00:15	Introduction Joining Techniques for Multi Material and Steel
15:15	15:45	00:30	Design and Rules
15:45	16:15	00:30	Applications and Best Practices
16:15	16:30	00:15	Discussion, Q&A
16:30	16:45	00:15	Conclusion and End of Meeting

Speakers

Lightweight Materials:

Franz Evegren, RISE. Research Scientist at RISE Research Institutes of Sweden (formerly SP Technical Research Institute of Sweden)

Franz Evegren works with focus on development of risk assessments to assess fire safety of alternative ship solutions and new ship designs, including new materials, fuels, and AFV.. Through the Swedish Flag, he has been heavily involved in the development of IMO fire safety guidelines for use of FRP within ship structures. He formerly worked as a fire safety consultant, within the area of fire safety engineering and risk management.



Speaker joining techniques:

Lars Molter, CMT. Research Scientist at Center of Maritime Technologies e.V.

Dr. Lars Molter is working as Naval Architect in the field of materials, production, design of ship and offshore structures at CMT. During several research and industrial projects, his main focus is on the development and adaptation of joining techniques and materials for lightweight applications. Currently working as a project engineer, with former experiences as engineer at Blohm+Voss Shipyard and Chief Engineer at the German Navy.



Sign up to the workshop here

<https://www.conferencemanager.dk/Columbus/sign-up.html>

For more information contact

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