

Agenda

Nautical and Control Aspects of STS Operations (Work Package 4)

Friday, December 04th

Chair: Egil Pedersen

- o 0830 ~ 0930 *Demonstration of STS Lightering*
 Gunnar Gudmundseth, SMS
- o 0930 ~ 0900 *Guided tour around the simulator facilities*
 Bård E. Bjørnsen, SMS
- o 0900 ~ 0930 *Field Observations of STS Lightering – Analytical Results*
 Etsuro Shimizu, Tokyo University of Marine Science and Technology
- o 0930 ~ 1000 *Aspects on Decision-making in STS Lightering*
 Dagfinn Husjord, NTNU
- o 1000 ~ 1030 *Field Testing of VI-GPS*
 Yunja Yoo, NTNU

- 1030 ~ 1100 Tea break**

- o 1100 ~ 1200 *Open Discussion and Closing*

- 1200 ~ 1300 Lunch (SMS)**

MARINTEK and NTNU arrange in
co-operation with SMS

KMB Workshop on STS Operations

at
Marine Technology Centre
and
Ship Manoeuvring Simulator Centre
in Trondheim, Norway

Thursday, Dec 03rd
and
Friday, Dec 04th



Background

The Norwegian Marine Technology Research Institute (MARINTEK) has initiated the international joint-industry research programme *Investigating Hydrodynamic Aspects and Control Strategies for Ship-to-Ship Operations* that is funded by the Norwegian Research Council and industry partners for the years 2007 ~ 2011. The main objective is to improve existing simulator based training activities for personnel involved in complex ship-to-ship operations in open seas through increased knowledge and understanding of the complex water flow between two ships operating in close proximity. Verification and validation of hydrodynamic models for ship-to-ship interaction used in training simulators are critical activities in order to obtain a positive transfer of training from the simulator to real life operations. Only through high quality training will it be possible to obtain low risk levels for complex multi-ship operations.

Target Group

Representatives of all project partners as well as representatives of research institutions and shipping companies that are involved or have some interest in ship-to-ship operations.

Place and Venue

Thursday, December 03rd, at Marine Technology Center, O.Nielsens vei 10, Trondheim.

Friday, December 04th, at Ship Manoeuvring Simulator Center, Ladehammerveien 4, Trondheim.

Catering

Coffee, tea and soft drinks will be made available. Lunch will be served at respective venues. Dinner will take place on Thursday evening.

Registration/Contact

Please register directly to Egil Pedersen, e-mail: e.pedersen@ntnu.no

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Thursday, December 03rd

1200 ~ 1300 Lunch (Marine Technology Centre)

Chair: Egil Pedersen

- o 1300 *Welcome*
Egil Pedersen, NTNU
- o 1300 ~ 1315 *Presentation of the STS project*
Tor Einar Berg, MARINTEK
- o 1315 ~ 1330 *Status of WP4*
Egil Pedersen, NTNU
- o 1330 ~ 1400 *Operational Challenges in STS Lightering*
N.N, SPT Ltd
- o 1400 ~ 1430 *TBD*
N.N, Rolls Royce Marine AS
- o 1430 ~ 1500 *STS Operations and Challenges in the Arctic Region*
Ulf Klevstad, Norwegian Coastal Administration

1500 ~ 1530 Tea break

- o 1530 ~ 1600 *New Application of SDME (Speed and Distance Measurement Equipment) for STS Operations.*
Yasuo Arai, Marine Technical College, Ashiya-city
- o 1600 ~ 1630 *Simulation Tool for STS Operation in Shallow Waters*
Yoshitaka Furukawa, Kyushu University, Fukuoka
- o 1630 ~ 1700 *STS Monitoring System – Technology and Field Testing*
Etsuro Okuyama, Akishima Laboratory Ltd, Tokyo

1900 ~ 2200 Dinner (Havfruen Fiskerestaurant, Kjøpmannsgata 7)