

10th TARG Workshop Program

Expanding Frontiers of Maritime Training and Assessment: New Technologies, New Possibilities

Day-1, Wednesday, 5th May 2021

09.15 – 09.30

Virtual Arrivals

09.30 – 09.45

Welcome and Introduction

Jørn Kragh, National Leader MARKOM 2020, University of South-Eastern Norway

09.45 – 10.00

Introduction of the department-IMA

Atle Martin Christiansen, Head of department, University of South-Eastern Norway

10.00 – 10.10

Summary of previous workshops and introduction of the day

Salman Nazir, Head of TARG, Professor, University of South-Eastern Norway

10.15 – 10.45

Keynote: *Jens-Uwe Schröder-Hinrichs, Professor and Vice President, World Maritime University*

10.45 – 11.00 coffee break

Research session 1 (session chair: Tae-eun Kim)

11.00 – 11.30

Advanced Data Analytics towards Energy Efficient and Emission Reduction

Retrofit Technology Integration in Shipping

Lokukaluge Prasad Perera, Associate Professor, UiT The Arctic University of Norway

11.30 – 12.00

Validation and Efficacy of a Virtual Reality Helicopter Hoisting Simulator for Maritime Search and Rescue

Heather Carnahan, Professor, Memorial University of Newfoundland, Canada

12.00 – 13.00 lunch break

Research session 2 (session chair: Salman Nazir)

13.00 – 13.30

Design of a Transparent Predictor Aid for Reskilling Maritime Pilots in Navigating Confined Waters

Carl Westin, Research Fellow, Linköping University

13.30 – 14.00

Non-technical skills or resilience - how can we improve MRM training?

Gesa Praetorius, Associate senior lecturer, Kalmar Maritime Academy, Linnaeus University

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Day-2, Thursday, 6th May 2021

Research session 3 (session chair: Steven Mallam)

10.00 – 10.30

Autonomy, some interesting examples from the maritime sector

Jon Herman Ulvensøen, Project Manager, University of South-Eastern Norway

10.30 – 11.00

Students in COAST – sailing solo exercises

Margareta Holtensdotter Lützhöft, Professor, Western Norway University of Applied Sciences, Norway

11.00 – 11.15 coffee break

11.15 – 11.45

Eye tracking in VR simulators for performance assessment and feedback

Sathya kumar Renganayagalu, PhD Research Fellow, University of South-Eastern Norway

11.45 – 13.00 lunch break

Research session 4 (session chair: Tae-eun Kim)

13.00 – 13.30

Using scenario comparisons to assess operational benefits of new VTS technology

Marius Imset, Associate Professor, University of South-Eastern Norway

13.30 – 14.00

Target Excellence

Maeleachlainn Ó Conaill, SBM Offshore

14.00 – 14.15

Workshop Wrap-up

Salman Nazir, Professor, University of South-Eastern Norway