

FINAL PROGRAM for 2nd COB Seminar

GreenBridge, Oostende - 6th Feb., 2020



KU LEUVEN



welcome coffee

09h30 to 10h00

Welcome and introduction

Prof. Peter TROCH, director ai COB (Ghent University)

10h00 to 11h00

SESSION 1 "Status of the Flanders Maritime Laboratory" – chair Jens Peter KOFOED

Construction status of the Coastal & Ocean Basin - COB

Prof. Peter TROCH, director ai COB (Ghent University)

Ship model testing in the towing tank for manoeuvres in shallow water and beyond

Prof. Guillaume DELEFORTRIE, expert nautical research (Flanders Hydraulics Research)

The BLUE ACCELERATOR test site, the next stop for maritime development

dr. Ben DE PAUW, project officer Innovation Blue Energy (POM West-Flanders)

coffee break

11h00 to 11h30

SESSION 2A "Experimentel modelling of waves and structures at sea" – chair Jaak MONBALIU

11h30 tot 13h00

Keynote: DURCWAVE: Experiments for coastal safety in low-lying coastal zones

dr. Corrado ALTOMARE, Marie Curie research fellow (UPC, Spain)

Wave flume experiments of coastal defence systems with a very shallow foreshore

ir. Vincent GRUWEZ, PhD researcher (Ghent University)

Experimental modelling of 3D wave overtopping

ir. Toon VERWAEST, coastal engineer (Flanders Hydraulics Research)

PROTEUS: large scale experiments for scour protection around offshore monopiles

dr. Leen DE VOS, engineer-advisor (Geotechnics Division, Flemish Government)

WALOWA: large scale experiments in the Delta Flume

dr. Maximilian STREICHER, postdoc research assistant (Ghent University)

Keynote: Large scale experiments in coastal and ocean engineering at GWK flume

dr. Stefan SCHIMMELS, operations manager (Forschungszentrum Küste, Germany)

lunch

13h00 to 14h00

SESSION 2B "Experimentel modelling of waves and structures at sea" – chair Peter TROCH

14h00 to 15h30

Keynote: Testing of wave energy converters in wave tanks

Prof. Jens Peter KOFOED, assoc prof (Aalborg University, Denmark)

Keynote: Use of wave tanks for FPP's device technology development

dr. Sarah THOMAS, head of R&D (Floating Power Plant, Denmark)

Physical model tests on a floating offshore wind turbine

ir. Griet DECORTE, PhD researcher (KU Leuven)

Waves in sea-ice: experiments in the ice tank at Aalto University

Prof. Jaak MONBALIU, prof (KU Leuven)

Keynote: Recent advances in wave generation techniques

Prof. Thomas Lykke ANDERSEN, assoc prof (Aalborg University, Denmark)

coffee break

15h30 to 16h00

SESSION 3 "Experimentel modelling experiences from industry" – chair Frank MOSTAERT

16h00 to 17h00

Physical modelling as a tool in the design process of coastal structures

dr. David GALLACH Sanchez, coastal engineer (DEME Group)

Wave flume and basin testing for breakwaters combined with beach nourishment

dr. Bernard MALHERBE, director project development (Jan De Nul Group)

Use of wave tank experiments for the design of Africa's largest port

ir. Arvid DUJARDIN, advisor (Antea Group)

Large scale experiments on sand-filled geosystems and rock as erosion control measures

ir. Leen BAELUS, engineer-advisor (IMDC)

reception

17h00 to 18h30