

October 10, 2022, Hiroshima University

TU Berlin and HU Joint Workshop on Ship Hydrodynamics

13:00 Opening remarks, Prof. Hidetsugu Iwashita, Department head, HU

13:10 Towards a precise prediction of manoeuvrability of planning crafts, by Dr. Barbara Blum-Thomas (TU Berlin)

13:40 A proposed seaplane float in water entry problem and landing in waves using SPH, by Mr. Dimas Bahtera Eskayudha (Master course student, HU)

14:10 Effect of propeller rotating direction on maneuverability of a twin propeller and twin rudder ship, by Mr. Ryusuke Okuda (Doctoral candidate, HU)

14:40 break

15:00 False bottom effect on the hydrodynamic forces acting on a ship model during an oblique towing test and countermeasures, by Mr. Y. Hachiya (Master course student, HU)

15:30 Reproduction of the marine debris distribution in the Seto Inland Sea immediately after the July 2018 heavy rains in western Japan using Multidate Landsat-8 data, by Ms. S. Song (Doctoral candidate, HU)

16:00 Numerical simulation of turbulent drag reduction by polymer additives using a hybrid DPD-LES model, by Ms. Xinru, Du (Doctoral candidate, HU)

16:30 break

16:50 Loads and motions on/of floating offshore wind platforms, by Dr. Laura Grueter (TU Berlin)

17:20 Measurement of spatial pressure distribution on hull surface with latest FBG pressure sensors and validation through measured pressure integration, by Mr. Kantaro Suzuki (Doctoral candidate, Osaka University)

17:50 On the prediction of ship manoeuvring performance in waves and wind, by Prof. Andres Cura Hochbaum (TU Berlin)

18:20 Closing remarks, Prof. H. Yasukawa, HU

19:00 Dinner party