

27 March 2017 – Monday

Chair: **Bertram (Tutech), Oftedahl (Jotun)**

08:45h Opening address

08:55h Geir Axel OFTEDAHL (Jotun)

ISO 19030 – Assessment of Delivery on Stated Aim and Ideas for Further Work

09:20h Beom Jin PARK, Myung-Soo SHIN, Min Suk KI, Gyeong Joong LEE (KRISO), Sang Bong LEE (Lab021)

Experience in Applying ISO19030 to Field Data

09:45h Elizabeth HASLBECK, Erik HOLM (NSWC-CD)

So, Your Ship is Not Operating Efficiently (Because of Biofouling) - Now What?

10:10h coffee break

Chair: **Korslund (Jotun) , vom Baur (MvB Consult)**

10:40h Andreas KRAPP (Jotun)

Hull and Propeller Performance... On an Absolute Scale?

11:05h Andreas KRAPP (Jotun), Daniel SCHMODE (DNV GL)

A Detailed Look at the Speed-Power Relation of Different Vessel Types at Different Loading Conditions

11:30h Qingsong ZENG, Robert HEKKENBERG, Cornel THILL, Erik ROT-TEVEEL (TU Delft)

A Recommendation for the Friction Line in Very Shallow Water Based on CFD Simulation

12:00h lunch

Wiener Schnitzel, cubed potatoes, cucumber salad

Apple tiramisu

Chair: **Anderson (Chemet), Beinke (Hoppe Marine)**

13:15h Volker BERTRAM (DNV GL)

Some Heretic Thoughts on ISO 19030

13:40h Puramharikrishnan LAKSHMYNARAYANANA, Dominic HUDSON (Univ. Southampton)

Estimation of Added Power in Waves from Full-Scale Data Analysis of an LNG Carrier

14:05h Alessandro CARCHEN (Newcastle University)

Development of an Online Ship Performance Monitoring System Dedicated for Biofouling and Anti-Fouling Coating Analysis

14:30h Ryo KAKUTA, Hideyuki ANDO, Takashi YONEZAWA (MTI)

Utilization of VPMS for Vessel Performance Modeling in Shipping Company

14:55h coffee break

Chair: **Lund (Kyma), Antola (Eniram)**

15:25h Matti ANTOLA (Eniram)

Notorious Speed through Water

15:50h Eric GIESBERG (NSWC-CD)

Evaluation of Speed through the Water and Uncertainty through Multiple Means

16:15h Thijs HASSELAAR, Jeroen DEN HOLLANDER (MARIN)

Uncertainty of Ship Speed Determination when Sailing in Waves

28 March 2017 - Tuesday

Chair: **Meseguer Yebra (Hempel), Kidd (Akzonobel)**

08:55h Bercelay NIEBLES ATENCIO, Valery CHERNORAY (Chalmers TU)

Measurements and Prediction of Friction Drag of Hull Coatings

09:20h Rhena KLOSE, Reinhard SCHULZE (SVA Potsdam)

Friction Measurements of Different Coatings in a Friction Tunnel

09:45h Job KLIJNSTRA, Mark BAKKER (Endures)

Drag Performance Testing in Selection of Fuel Saving Hull Coatings

10:10h coffee break

Chair: **Greitsch (MMG), Schmode (DNV GL)**

10:40h Kourosh KOUSHAN, Anders ÖSTMAN, Luca SAVIO (SINTEF Ocean)

Numerical and Experimental Investigation of Roughness Due to Different Type of Coating

11:05h Tom GOEDICKE (MMG)

Numerical Investigation on Hull Roughness Effects on Propulsion Performance

11:30h Abel VARGAS, Hua SHAN (US Navy)

Modeling of Ship Resistance as a Function of Biofouling Type, Coverage, and Spatial Variation

12:00h lunch

Roastbeef, remoulade sauce, fried potatoes

Mecklenburger Götterspeise (dessert specialty with bread soaked in Kirschwasser)

Chair: Haranen (Napa), Østervold (ECOsubsea)

13:15h Michael HARANEN (Napa)

The Importance of Accurate Nowcast Data on Ship Efficiency Analysis

13:40h Daniel SCHMODE (DNV GL)

Influence of Noise and Bias on the Uncertainty of Data-Based Hull Performance Prediction

14:05h Stratos STABOULIS (Eniram)

The Art of Scarcity: Combining High-Frequency Data with Noon Reports in Ship Modeling

14:30h Jonas RØSTAD, Rune GANGESKAR (Miros)

On-board Real-Time Wave and Current Measurements for Decision Support and Hull Stress Monitoring Systems

14:30h coffee break

Chair: Krapp (Jotun), Gangeskar (Miros)

15:00h Bjarte LUND, Carlos GONZALEZ (Kyma)

The Big Data Concept in a Performance Monitoring Perspective

15:25h Kenichi FUKUDA, Yoshihisa OKADA, Kenta KATAYAMA, Akinori

OKAZAKI (Nakashima Propeller), Hiroyuki ADACHI (Ohtsu Maritime Inst.), Masahiro TAMASHIMA, Kenichiro HISAMUARA (Fluid Techno)
Evaluation of Hull and Propeller Performance during Ship in Service

15:50h Søren HATTEL, Jimmie Stig BECKERLEE (FORCE Technology)

Experience and Achieved Benefits of a Low Budget Plug and Play Logging Device

29 March 2017 - Wednesday

Chair: Fridriksson (Marorka), Rynkowski (Veinland)

08:30h Jorge ANTUNES (Tecnoveritas)

Hull as the Vessel Main Energy Consumer

08:55h Barry KIDD, Haoliang CHEN (AkzoNobel)

Building Confidence and Transparency in Eco Efficiency Technology Selection to Optimise Vessel Performance

09:20h Wojciech GORSKI (Enamor)

Automatic MRV Reporting Using Onboard Performance Management Systems

09:45h Torsten BÜSSOW, Jarle BLOMHOFF (DNV GL)

How are Monitoring Reporting Solutions Impacted by MRV?

10:10h coffee break

Chair: Gorski (Enamor), Kane (PDI)

10:40h David BOXALL (waveforce)

What Do We Mean with 13 Knots on 30 mts IFO: Charter Party Descriptions vs Reality?

11:05h Birk FLEISCHER (CET)

Paint Work in Dry Dock and its Implication on Vessel Performance

11:30h Daniel KANE (Propulsion Dynamics)

Correlations between In-Water Photos of Hull and Propeller Fouling and Corresponding Hull and Propeller Resistance Diagrams

12:00h lunch

Zander (pikeperch) filet in mustard sauce with carrots, leek and parsley potatoes
Cheese cake

Chair: Blomhoff (DNV GL), NN

13:15h Hasan GÖLER, Kemal BOZKURT (UN Roro)

Speed Loss Analysis of High Speed Ro-Ro Vessels Coated with New Anti-fouling Technologies

13:40h Erik van BALLEGOOIJEN, Tiberiu MUNTEAN, Marc TIMMER (VAF)

Measuring the Full-Scale Performance of a Propeller and Bulbous Bow Retrofit via Propeller Thrust Measurements

14:05h Jan WIENKE (DNV GL)

Verification of the Effectiveness of Energy Saving Devices

14:30h Tomofumi INOUE (JMUC)

A Study on the Principle and Energy Saving Effect of Multi ALV-Fin

14:55h coffee break

Chair: Förster (Hansa)

15:25h Open forum – “Operators & Developers – Galaxies apart?”

17:00h Closing words by Geir Axel Oftedahl

18:30h Dinner (in Castle Ulrichshusen’s festive hall) sponsored by Jotun

Dress code: smart casual

Crayfish soup à la Ulrichshusen

Roast venison in red wine jus, savoy cabbage, dumplings and cranberry apple

Homemade ice-cream cake with marzipan cover - coffee

Local eau de vie (cherry, pear, Mirabelle plum, plum)

30 March 2017

Post-Conference Training Course of DNV GL & Jotun

“Practical Guide to Antifouling Management”

(requires separate registration)