

12 March 2018 – Monday

Session – ISO 19030 in 2018 and Beyond

Chair: Bertram (Tutech)

08:55h Oftedahl (Jotun)

ISO 19030 in 2018 and Beyond – Relevance of the Standard in this Period of Rapid Technological Change

09:20h Park, Shin, Ki, Lee (KRISO), Lee (Lab021)

Ideas on How to Improve ISO19030 based on Results of Applying to Field Data

09:45h Tsarsitalidis, Rossopoulos (Vector Marine Software)

ISO 19030 – The Good, the Bad and the Ugly

10:10h Schmode, Hympendahl (DNV GL), Gundermann (Hempel)

Hull Performance Prediction beyond ISO 19030

10:35h ***** coffee break *****

Session – Operators share Experience I

Chair: Eliasson (Chevron), Oftedahl (Jotun)

11:05h Eliasson (Chevron Shipping)

Practical Experience with ISO 19030 at Chevron Shipping (Part 1)

11:25h Kidd, Chen, Seah, Chue, Finnie (Akzonobel)

Practical Experience with ISO 19030 at Chevron Shipping (Part 2)

11:40h Abrahamsen (Jotun)

Practical Experience with ISO 19030 at Chevron Shipping (Part 3)

11:55h Gunkel, Dietz, Purup (Maersk Line)

Trim Optimization in an Operational Environment using Existing Sensors Installations

12:20h lunch

Cottage Pie (minced beef and vegetables)

Panna Cotta with berry compote

Session – Separating Propeller & Hull Performance

Chair: Lund (Kyma), Ballegooijen (VAF)

13:45h Van Ballegooijen, Helsloot, Timmer (VAF)

Experience with Full-Scale Thrust Measurements in Dynamic Trim Optimisation

14:10h Park, Kim, Shim, Ahn, Park, Jeong, Jeong (Hyundai H.I.)

Hull and Propeller Fouling Decomposition and Its Prediction Based on Machine Learning Approach

14:35h Wienke (DNV GL)

Thrust Measurements during Sea Trials – Opportunities, Challenges and Restrictions

15:00h ***** coffee break *****

Session – Vendor Developments I

Chair: Kokarakis (Bureau Veritas), Sia (Ascenz)

15:30h Paereli, Levantis (Jotun)

Quantification of Changes in Propeller Performance – Method Validation

15:55h Møller (Insatech)

From Measurement to Understanding, Insight and Decision

16:20h Gonzalez, Lund, Hagestuen (Kyma)

Case Study: Ship Performance Evaluation by Application of Big Data

13 March 2018 – Tuesday

Session – Vendor Developments II

Chair: Nielsen (Insatech), Gunkel (Maersk)

08:55h Gehnke (Navis)

Practical Approaches of Systematically Analyzing KPIs Before and After Maintenance Events with Alternative Methods

09:20h Hattel, Papageorgiou, Rieu (FORCE Technology)

Quantitative Comparison of Different Key Performance Indicators

09:45h Sofiadi, Hansen, De Kat (ABS)

Effective Data Handling for Practical Vessel Performance Analysis

10:10h Kauffeldt, Hansen (DNV GL)

Enhanced Performance Analysis and Benchmarking with CFD Baselines

10:35h ***** coffee break *****

Session – Operators share Experience II

Chair: Schmode (DNV GL)

11:05h Bialystocki (Antares Shipping)

Reflecting Commercial Considerations in Vessel Performance Analysis

11:30h Tzamaloukas, Glaros, Bikli (Eastern Mediterranean Maritime)

Different Approaches in Vessel Performance Monitoring, Balancing Accuracy, Effectiveness & Investment Aspects, from the Operator's Point of View

11:55h Deligiannis, Zouridis (Neda Maritime)

Global Hull Performance - Propulsion Power Optimization and Operational Diagnosis Tool

12:20h lunch

Chicken Liver parfait, Mixed leaves, brioche

Lamb hot pot with vegetables

Session – On-Board Insight from Japan

Chair: Bos (BMT Smart)

- 13:45h Kano (NMRI)
On the Effect of Navigation Support System – From Collecting Data to Operational Support
- 14:10h Sudo, Igarashi, Yonezawa (MTI), Mushiake, Kawanami (Furuno), Hino (YNU)
Improvement of Measuring Accuracy of Ship's Speed through Water by using Multi-Layered Doppler Sonar
- 14:35h Inukai, Osaki (JMUC), Sudo, Yanagida (MTI), Mushiake, Kawanami (Furuno)
Extensive Full-Scale Measurement on Propeller Performance of 14000 TEU Container Ship

15:00h *** coffee break *******

Session – Game-Changer Robotics

Chair: Osterveld (ECOsubsea), Kelling (Hasytec)

- 15:30h Noordstrand (Fleet Cleaner)
Experience with Robotic Underwater Hull Cleaning in Dutch Ports
- 15:55h Lysklett (Blueye Robotics)
Underwater Drones as Efficient Tool for Hull and Propeller Inspections
- 16:20h Hunsucker, Braga, Ergodan, Gardner, Hearin, Ralston, Swain, Tribou, Wassick (Florida Institute of Technology)
The Advantages of Proactive In-Water Hull Grooming from a Biologist's Perspective

14 March 2018 – Wednesday

Session – Focus on Fouling

Chair: Kidd (Akzonobel), Gundermann (Hempel)

- 09:20h Yeginbayeva, Chernoray, Granhag (Chalmers TU)
Experimental Quantification of Drag Change of Commercial Coatings Under the Effect of Surface Roughness and Soft Fouling
- 09:45h Leer-Andersen, Werner, Kim (SSPA)
Skin Friction Database
- 10:10h Klijnstra, Bakker (Endures), Greff (Naval Group), Kremer (Marin)
Performance Measurements on Propeller and Hull Coatings

10:35h *** coffee break *******

Session – Changing Ambient Conditions

Chair: Moncrieff (Miros), Holm (Coach Solutions)

- 11:05h Bos (BMT Smart)
An Ensemble Prediction of Added Wave Resistance to Identify the Effect of Spread of Wave Conditions on Ship Performance
- 11:30h Gangeskar, Prytz, Bertelsen (Miros)
On-Board Real-Time Wave & Current Measurements for Decision Support
- 11:55h Lakshminarayanan, Hudson
Is Wave Height Necessary to Determine Ship Performance in Calm Water from Measurements?

12:20h lunch

Chicken Tikka with rice
Eton mess

Session – Last not Least

Chair: Tullberg (Hempel), Nicholls (StratumFive)

- 13:45h Oliveira, Granhag, Larsson (Chalmers TU)
Performance Values vs Speed – A Declaration of Independence?
- 14:10h Kelling (Hasytec)
Ultrasound – The Silent Revolution in Antifouling
- 14:25h Bellusci (Scorpio), Han (Intertanko)
Tanker Operators' Perspective, Vessel Performance Monitoring
- 14:40h *Announcement of HullPIC 2019*

14:45h *** coffee break *******

Session – Quo Vadis, Performance Monitoring?

Moderator: Geir Axel Oftedahl

- 15:15h panellists from operators: Eliasson, Bellusci
panellists from developers: Sia, BJ Park
- 16:15h Expected Closing

18:00h Conference Dinner sponsored by Jotun

Smoked Salmon, Cream cheese and Prawn Roulade
Roast Sirloin with Yorkshire pudding, roast potatoes, seasonal vegetables & gravy
Trio of Homemade desserts
Platter of cheese and biscuits per table
Wine, water