

30 August 2021

Chair: **Bertram (VBC), Gorski (Enamor)**

09:10h *Zhang, Yeginbayeva, Brink (Jotun)

Modelling and Simulation of the Effect of Antifouling Coating on Ship Resistance

09:30h *Lim (Ascenz Solutions), Liang (Newcastle University)

Hull and Propeller Performance Measurement for Offshore Support Vessels

09:50h Marioth (Idealship), Raj (AlphaOri)

Improving True Lies: Creating Sophisticated Baselines Out of Woefully Little

10:15h Zamora (Navalytica)

Accurate Vessel Performance Quantification using Noon Reports Data Collection Systems

10:40h coffee break

Chair: **Kelling (Hasytec), Gundermann (Hempel)**

11:10h Barsotti (IB)

Human Factor: The Double-Side Effect

11:35h Petersen, Frederiksen (Greensteam), Melillo (D' Amico)

The Effect of Using Accurate Machine Learning Models in Speed Optimization

12:00h Górski, Michniewicz, Szlendak (Enamor)

Using Unsupervised Machine Learning for Building Ship Performance Reference Model

12:30h lunch

Pici all'aglione, water, wine

truffled scrambled eggs, fagioli al fiasco (sponsored by Hasytec)

Tiramisu tradizionale, caffè

Chair: **Bertram (VBC), Gorski (Enamor)**

13:30h *Bialystocki (StratumFive)

Vessel's Hull Cleaning: New Approach for Evaluation

13:50h *Seah, Chen, Kidd (International Paint)

Feature Engineering-Enhanced Vessel Performance Prediction and Modeling

14:10h coffee break

14:40h Forum HullPIC – Moderators: Levantis, Bertram

Panellists: Melillo, Ikonomakis, Prytz, Barsotti

31 August 2021

Chair: **Marioth (Idealship), Prytz (Miros Mocean)**

09:05h *Guo, Rognebakke, Tvete, Adal (DNV), Schmidt (CCP), Bruset, Prytz (Miros Mocean)

Setting the Standard for Evaluation of In-Service Technical Ship Performance

09:25h Bertelsen, Bruset, Gangeskar, Prytz (Miros), Schmidt (CCP)

Accurate Speed Through Water Measurements Enable Accurate Vessel Performance Management

09:50h Gatin (In Silico), Boxall (WaveForce)

Calculating Speed Loss Due to Swell using CFD

10:15h Ikonomakis, Dietz, Holst (Maersk), Nielsen, Galeazzi (DTU)

Historical Position Measurement Validation and Correction using AIS Data - An Account from a Larger Shipping Company

10:40h coffee break

Chair: **Ferrari (IB), Knudsen (COACH Solution)**

11:10h Reimer (Hoppe Marine)

High-Quality Data under COVID-19: How to React Fast and Professionally with Remote Service

11:35h Bekiaris, Chatziagapoglou, Giordamlis (Prisma Electronics), Dalmyras (Andriaki Shipping)

A Step beyond the ISO 19030.2 Annex C – Evaluation of Alternative Methods for Approximating Shaft Power through Data Collection Systems

12:00h *Deymier, Antola, Schmode (Wärtsilä Voyage)

Using Publicly Available Data to Assess Hull and Propeller Performance

12:30h lunch

Maremmani Burro e salvia (~spinach ravioli), water, wine

semifreddo al vin santo, caffè

Chair: **Hendricks (Hoppe Marine)**

13:30h *Oliveira, Lagerström, Granhag, Ytreberg (Chalmers TU), Werner (SSPA), Larsson (Univ. of Gothenburg)

HullMASTER: An Interactive Tool to Calculate Economic and Societal Costs and Benefits of Ship Hull Maintenance

13:50h Lützen, Rytter, Sorensen (Univ. Southern Denmark), Hansen (Navigator)

Greening Smaller Ferries by Optimizing Operations

14:15h coffee break

Chair: **Kyritsis (Scrufy), Levantis (Jotun)**

- 14:45h **Stuer-Lauridsen, Kern-Nielsen (LITEHAUZ)**
Integrating Cleaning of Hull and Niche Areas - Is There a Commercial Niche without Regulation?
- 15:10h **Sørensen (BIMCO)**
Industry Standard for In-water Cleaning with Capture
- 15:35h Announcement of HullPIC 2022 and PortPIC 2022

1 September 2021

Chair: **Guéré (Notilo Plus), Noordstrand (Fleetcleaner)**

- 09:05h ***Harvey (BioPass), Falconer-West (Franmarine), Anderson (Clean-SubSea), Samuel (rise-x)**
BioPass: End-to-End Biofouling Management
- 09:25h ***Anderson (CleanSubSea)**
Responsible Biofouling Management Plans
- 09:50h **Oftedahl (Jotun), Skarbø (Bellona)**
Experience with Proactive In-Water Hull Cleaning Guideline
- 10:15h **Noordstrand, De Vet (Fleetcleaner)**
Better Safe than Sorry

10:40h coffee break

Chair: **Doran (HullWiper)**

- 11:10h **Guéré, Gambini (Notilo Plus)**
Hull Reports at Scale: Notilo Cloud AI Platform
- 11:35h **Kyritsis, Arapkoules (Scrufy)**
RAGS: Robotic Applications for Grooming and (In-Water) Survey
- 12:00h **Lander (Greensea Systems)**
Precision Navigation for Hull Crawling Robots: Efficient Robots for Automated Inspection and Grooming

12:30h lunch

Lasagna alle verdure, water, wine
mousse al panforte, caffè

Chair: **Lander (Greensea Systems)**

- 13:30h ***Freyer, Eide (Shipshave)**
Field Experience with In-Transit Cleaning of Hulls
- 13:55h **Daehne, Kuhn, Wallis (Dr. Brill + Partner), Heusinger von Waldegge, Stübing, Brinkmann (Fraunhofer), Felder, Kensbock (Momentive Performance Materials)**
ROBUST: Integrated Coating & Cleaning Concept for Offshore Structures
- 14:20h **Kelling (HASYTEC)**
Ultrasonic Technology to Keep Fouling in CHEK
- 14:45h coffee break**
- 15:15h Forum PortPIC – Moderator: Bertram, Doran
Panellists: Gambini, Noordstrand, Skarbø, Manniche

18:00h Dinner sponsored by Jotun

Bruschette miste (fegatini, Pomodoro, Formaggio e tartufo)
flan di zucchini
Tagliata di manzo rucola e grana (strips of beef, rucola, parmesan shavings)
Cheese platter
Coffee, water, red/white wine IGT "Cavalier tranquilo"

* presented via video or video conference

Paper not yet received