

## Planning for HullPIC & PortPIC 2021 (as of 18.5.2021, contact organizer for updates)

### Day 1 – 30.8.2021

1. Richard Marioth (Idealship), Piyush Raj (AlphaOri) - *Improving True Lies: Creating Sophisticated Baselines Out of Woefully Little*
2. Jan Wienke (DNV) – *The Role of Performance Monitoring for the Coming EEXI*
3. Javier Zamora (Navalytica) - *Accurate Vessel Performance Quantification using Noon Reports Data Collection Systems*
4. Daniel Schmode (Wärtsilä Voyage Germany) - *Blending Data Sources to Economically Predict Hull Fouling*
5. Nikolaos Bekiaris, Lazaros Chatziagapoglou, Christos Giordamlis (Prisma Electronics), Fotis Dalmyras (Andriaki Shipping) - *A Step beyond the ISO 19030.2 Annex C – Evaluation of Alternative Methods for Approximating Shaft Power through Data Collection Systems*
6. Vemund S. Bertelsen, Trym Brusset, Rune Gangeskar, Gunnar Prytz, Michael Schmidt (Miros Mocean) - *Accurate Speed Through Water Measurements Enable Accurate Vessel Performance Management*
7. Bingjie Guo, Olav Rognebakke, Hans Anton Tvette, Christine Adal (DNV), Michael Schmidt (BW Dry Cargo), Trym Brusset, Gunnar Prytz (Miros Mocean) - *Setting the Standard for Evaluation of In-Service Technical Ship Performance*
8. Marie Lützen, Niels G.M. Rytter, Jan C. Sorensen (Univ. Southern Denmark), Soren V. Hansen (Navigator) - *Greening Smaller Ferries by Optimizing Operations*
9. Jóan P. Petersen, Jonas S. Frederiksen (Greensteam), Ivana Melillo, Matteo Barsotti (D’Amico) - *The Effect of Using Accurate Machine Learning Models in Speed Optimization*
10. Ben Steyn, Anriette Bekker (Stellenbosch University) - *Multi-Year Full-Scale Investigation on the Effect of Ice Navigation on Ship Resistance and Propulsion Performance*

### Day 2 – 31.8.2021

1. Yurim Cho, Inwon Lee (PNU), Kyung Hwan Jeon (POSSM), Sang Bong Lee (Lab021) – *Prediction of Speed Loss using Artificial Neural Network (ANN) for 176K DWT Bulk Carrier in Operation Condition*
2. Yuanwei Zhang, Irma Yeginbayeva, Angelika Brink (Jotun) - *Modelling and Simulation of the Effect of Antifouling Coating on Ship Resistance*
3. Wojciech Górski, Jerzy Michniewicz, Agnieszka Szlendak (Enamor) – *Using Unsupervised Machine Learning for Building Ship Performance Reference Model*
4. Volker Bertram (DNV) - *Capabilities and Limits of Machine Learning*
5. Myoung-Soo Kim, Young-Yeon Lee, Seung-Hyun Hwang, Kwang-Soo Kim, Yoo-Chul Kim, Haeseong Ahn (KRISO), Jung-Il Han, Choon-Gyu Lim (Hyundai Mipo Dockyard) - *Study on Model-Ship Correlation Based on Model Tests, CFD Simulation and Sea Trial Results*
6. Beom Jin Park, Myung-Soo Shin, Gyeong Joong Lee, Min Suk Ki (KRISO) - *Representation of a Ship’s Performance Degradation During Operation*
7. Inno Gatin (In Silico), David Boxall (WaveForce) - *Calculating Speed Loss Due to Swell using CFD*
8. Yuhuai Seah, Haoliang Chen, Barry Kidd (International Paint) - *Feature engineering-enhanced vessel performance prediction and modeling*
9. Serena Lim (Ascenz Solutions), Mincui Liang (Newcastle University) - *Hull and Propeller Performance Measurement for Offshore Support Vessels*

10. Klas Reimer (Hoppe Marine) – *High-Quality Data under COVID-19 – How to React Fast and Professionally with Remote Service*
11. Dinis Oliveira, Maria Lagerström, Lena Granhag, Erik Ytreberg (Chalmers TU), Sofia Werner (SSPA), Ann Larsson (Univ. of Gothenburg) – *HullMASTER: An Interactive Tool to Calculate Economic and Societal Costs and Benefits of Ship Hull Maintenance*

### Day 3 – 1.9.2021

1. Aron F. Sørensen (BIMCO) - *Industry Standard for In-water Cleaning with Capture*
2. Frank Stuer-Lauridsen, Kristina Kern-Nielsen (LITEHAUZ) - *Integrating cleaning of hull and niche areas - Is there a commercial niche without regulation?*
3. Alan Samuel (rise-x), Adam Falconer-West (Franmarine), Rory Anderson (CleanSubSea) – *BioPass: End-to-End Biofouling Management across the Lifecycle*
4. Alex Noordstrand (Fleetcleaner) – *Better Safe than Sorry*
5. Nicolas Bialystocki (StratumFive) - *Vessel's Hull Cleaning: New Approach for Evaluation*
6. Bernd Daehne, Lukas Kuhn, Jens Wallis (Dr. Brill + Partner), Tim Heusinger von Waldegge, Dorothea Stübing, Andreas Brinkmann (Fraunhofer IFAM), Thorsten Felder, Philip Kensbock (Momentive Performance Materials) – *ROBUST: Integrated Coating & Cleaning Concept for Offshore Structures*
7. Dimitri Kyritsis, Nicholaos Arapkoules (iKnowHow) – *RAGS: Robotic Applications for Grooming and (In-Water) Survey*
8. Volker Bertram (DNV) - *Robotic Hull Cleaning: Past, Present and Prospects*
9. Tim Heusinger von Waldegge, Dorothea Stübing (Fraunhofer IFAM), Benjamin Emde, Stanislav Zimbelmann, Jörg Hermsdorf (Laser Zentrum Hannover), Markus Baumann (Laserline) - *Underwater Underwater Hull Cleaning by Laser: Feasibility And Prospects*
10. Karl Lander (Greensea Systems) - *Precision Navigation for Hull Crawling Robots: Efficient Robots for Automated Inspection and Grooming*
11. Geir Axel Oftedahl (Jotun) – *Hull Skating Solution: Monitoring & Cleaning Modules*
12. Geir Axel Oftedahl (Jotun) - *Experience with Proactive In-Water Hull Cleaning Guideline*
13. Rune Freyer, Eirik Eide (Shipshave) - *Field experience with In-Transit Cleaning of Hulls*