



# Autonomous Ship Expo

CONFERENCE

**JUNE 18, 19 & 20, 2024**

RAI AMSTERDAM, NETHERLANDS

## CONFERENCE PROGRAM

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## DAY 1, TUESDAY, JUNE 18

### 09:00 - 12:50 - Perspectives on the deployment of MASS

**Moderator**

**James Fanshawe CBE FNI**, Chairman, UK MAS Regulatory Working Group, UK

**09:00 - Market insights into autonomous maritime systems: an industry survey**

**Hans-Christoph Burmeister**, head of department, Fraunhofer CML, Germany

**09:25 - Pro-innovation approaches for testing and assuring MASS**

**Andre Burgess**, assured autonomy program lead, National Physical Laboratory, U

**09:50 - MASS and the emergence of maritime intelligent transportation systems**

**Ørnulf Jan Rødseth**, general manager, Norwegian Forum for Autonomous Ships, Norway

**10:15 - Highly automated and remote-controlled vessels from an integrator's perspective**

**Ronny Tomren**, vice president remote and digital, Vard Electro, Norway

**11:10 - Embracing and navigating the challenges and opportunities in Shipping 4.0**

**Ivar de Josselin de Jong**, director strategy and commercial, Fugro, Netherlands

**11:35 - Roadmap toward unmanned surface vehicle (USV) deployment in Malaysia**

**Farawahida M Monil**, principal, geohazards, Petronas, Malaysia

**12:00 - MEGURI2040 Stage 2: toward the social implementation of fully autonomous ships**

**Masanori Muto**, group leader/senior researcher, Mitsubishi Research Institute, Japan

**12:25 - A flag state perspective of MASS: UK**

**Simon Ricketts**, navigation policy (technology) lead, Maritime and Coast Guard Agency, UK

### 14:00 - 16:35 - Project reviews and case studies

**Moderator**

**James Fanshawe CBE FNI**, Chairman, UK MAS Regulatory Working Group, UK

**14:00 - The operational landscape: a status report from the frontlines**

**Tom Eysta**, CEO, Massterly, Norway

**14:25 - Technology development for autonomous and remotely operated ships**

**Jong Jin Park**, principal research engineer, Samsung Heavy Industries, Korea

**14:50 - Optimal speed as a basis for fuel-efficient autonomy**

**Ramon Sieber**, research and development engineer, Shiptec, Switzerland

**15:45 - Allowing unmanned ships in inland waters**

**Patrick Potgraven**, program manager smart shipping, Ministry of Infrastructure and Water Management, Netherlands

**16:10 - Autonomous ships on rivers and in harbors in Taiwan**

**Chia-Jung (Tina) Hsu**, project manager, Ship and Ocean Industries R&D Center (SOIC), Taiwan



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DAY 2, WEDNESDAY, JUNE 19

09:25 - 12:30 - Legal, liability and regulatory issues

**Moderator**

**James Fanshawe CBE FNI**, Chairman, UK MAS Regulatory Working Group, UK

**09:25 - The MASS assurance and regulatory compliance process**

**Jan van Tiggelen**, discipline leader digital transformation, DNV, Norway

**09:50 - Preparation for port state control inspection of MASS**

**Chris Balls**, principal surveyor, Maritime Authority of the Cayman Islands, Cayman Islands

**10:15 - AI and its impact on business**

**Eugene Goryunov**, partner, Haynes Boone LLP, USA  
**Vincent Shier**, partner, Haynes Boone, USA

**10:40 - The evolving approach to maritime autonomy in the United States: Recent U.S. congressional developments, use cases and investment, and the State of U.S. Coast Guard Policy**

**Sean Pribyl**, partner, Holland & Knight LLP, USA

**11:30 - Panel Discussion**

**Jan van Tiggelen**, discipline leader digital transformation, DNV, Norway

**Chris Balls**, principal surveyor, Maritime Authority of the Cayman Islands, Cayman Islands

**Eugene Goryunov**, partner, Haynes Boone LLP, USA

**Vincent Shier**, partner, Haynes Boone, USA

**Sean Pribyl**, partner, Holland & Knight LLP, USA

13:45 - 16:20 - Data connectivity and cybersecurity

**Moderator**

**James Fanshawe CBE FNI**, Chairman, UK MAS Regulatory Working Group, UK

**13:45 - Ship-shore connectivity and remote diagnostics: new BV rule notes**

**Iliia Maslov**, technical advisor - digital and smart ships, Bureau Veritas Marine & Offshore, France

**14:10 - Error handling at the core: safe autonomy at TideWise**

**Sylvain Joyeux**, CTO, TideWise, Brazil

**14:35 - Advancing autonomous navigation: an AI framework to learn good seamanship**

**Roberto Galeazzi**, head of center, Technical University of Denmark, Denmark

**15:30 - COLREG's compliant marine autonomy software – where are we for real today? And how does it work?**

**Matthew Ratsey**, managing director, MarineAI, UK

**15:55 - Zero-shot learning for enhanced maritime navigation: a semantic reinforcement approach**

**Robert Emmitt**, autonomy and data science engineer II, PacMar Technologies, USA



DAY 3, THURSDAY, JUNE 20

09:25 - 12:25 - Positioning and situation awareness

**Moderator**

**James Fanshawe CBE FNI**, Chairman, UK MAS Regulatory Working Group, UK

**09:50 - Navigation using the Quasi-Zenith Satellite System (QZSS), high-definition maps and positioning**  
**Koki Asari**, PhD, general manager, Japan Space Systems, General Incorporated Foundation, Japan

**10:15 - Space in support to autonomous shipping**  
**Nil Angli**, business applications and partnerships officer, European Space Agency, UK

**10:40 - W-band ultra high-resolution radar: The right technology for marine autonomy**  
**Rachael O'Connor**, marine business development manager, Navtech Radar, UK

**11:35 - Developing a COLREGS-compliant autonomous navigation system**

**Nigel Lee**, chief strategy officer, Robosys Automation, UK

**12:00 - Designing for and assuring situational awareness for remote operation**

**Matthew Smith**, senior navigation and seamanship engineer, BMT, UK

**Stephen Perry**, NATG MASS lead, Naval Authority Technical Group (NATG), UK

12:50 - 15:00 - Training and human factors

**12:50 - No dropouts, please – creating a future where human ingenuity meets cutting-edge technology**  
**Sinikka Hartonen**, secretary general, One Sea Association, Finland

**13:15 - Design and optimization of remote operating center**  
**John Cross**, faculty, Marine Institute of Memorial University, Canada

**13:40 - Navigational training for maritime autonomous surface ships**  
**Zakirul Bhuiyan**, director, Warsash MASS Research Centre, UK

**14:05 - Introducing Autonomous ships requires a holistic approach.**

**Antoon van Coillie**, director, Zulu Associates/Anglo Belgian Shipping Company, Belgium

**14:30 - MASSPeople – integrating AI with MASS technical and engineering competencies: a roadmap for enhanced remote operations**

**Gordon Meadow**, chair IMarEST MASS SIG/founder & CEO, SeaBot XR, UK

\*This program may be subject to change



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## CONFERENCE



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