

**Programme for the 5th Maritime
Autonomous Systems Regulatory Working
Group Conference**

**Maritime Autonomous Surface Ship
(MASS) Regulation – The Tide has Turned**

15th to 16th January 2020

Venue: UK Chamber of Shipping, 30 Park St, London SE1 9EQ

PROGRAMME

Day 1 – Wednesday 15th January			
0900 - 0930	Coffee & Registration		
0930 - 0940	Welcome		
0940 - 1005	Opening Keynote	Nusrat Ghani MP	Parliamentary Under Secretary of State for Transport
1005 - 1030	IMO Scoping Exercise	James Fanshawe	Chair, MASRWG
1030 - 1055	MASS Technology Update	Ralph Dodds	Programme Manager for Autonomous Systems Research, ATLAS ELECTRONIC UK Ltd
1055 - 1115	Coffee (NB 1100 Fire alarm practice)		
1115 - 1140	UK Code of Practice & Safety Critical Systems	Richard Westgarth	Head of Campaigns, BMT
1140 - 1205	Vessel standards	Alan Cartwright	Chairman, IMarEST Small Ships Group
1205 - 1230	MASS Regulation and Liability: the role of domestic statute	Robert Veal	Lecturer in Law, University of Southampton
1230 - 1300	Panel discussion	Moderator - John Haynes	James Fanshawe, Ralph Dodds, Richard Westgarth, Alan Cartwright and Robert Veal
1300 - 1345	Networking Lunch		
1345 - 1410	UK Maritime Policy update. Data and the future of navigation	Dr Katrina Kemp Mark Casey	Smart Shipping Policy Officer – MCA Head of Research, Innovation and Integration, UKHO
1410 - 1435	Maritime Legal considerations	Sean Pribyl	Lawyer, Gard AS P&I Club
1435 - 1500	Fear, uncertainty and doubt: practical cyber security challenges and opportunities in shipping	Daniel Ng	CEO, CyberOwl
1500 - 1530	Panel discussion	Moderator - Dan Hook	Katrina Kemp, Mark Casey, Sean Pribyl, Daniel Ng
1530 - 1550	Coffee and tea		
1550 - 1615	Multi-modal autonomy validation and management	Dr Stuart Rowell	Principal Technologist, Connected Places Catapult
1615 - 1640	E Navigation and MASS	Francis Zachariae	Secretary General, IALA
1640 - 1705	The IACS approach to MASS	George Reilly	ABS, ex Cyber Systems Panel Chair
1705 - 1730	MASS Insurance	Tim Howse	The IGP&I Autonomous Vessels Working Group
1730 - 1800	Panel discussion	Moderator - James Fanshawe	Stuart Rowell, Francis Zachariae, TBC, Tim Howse
1800 - 2000	Drinks Reception		

DAY 2 – Thursday 16th January			
0830 - 0900	Coffee & Registration		
0900 - 0925	Keynote Speaker	Sarah Kenny	Vice Chairman Maritime UK, Chief Executive BMT Group
0925 - 0950	Automated systems on manned vessels	David Patraiko	Nautical Institute
0950 - 1015	Man and Machine – Understanding Remote Vessel operation	Gordon Meadow	Founder and CEO, SeaBot XR
1015 - 1040	Future of work in the Maritime sector	Branko Berlan	ITF accredited representative to the IMO
1030 - 1045	Coffee		
1045 - 1110	ISO update	Robin Townsend	Chairman ISO SC1 – Marine Safety
1110 - 1135	Testing of autonomous vessels – guidelines vs. reality	Päivi Haikkola	Ecosystem Lead, ONE SEA, DIMECC Ltd
1135 - 1200	Autonomous ships – Potential and Challenge, the Owner Perspective	John Bradshaw	Technical Director, International Chamber of Shipping
1200 - 1230	Panel discussion	Moderator - John Haynes	David Patraiko, Gordon Meadow, Branko Berlan, Robin Townsend, Päivi Haikkola, John Bradshaw
1230 - 1315	Networking Lunch		
1315 - 1340	Challenges and Mitigations in Multi-modal Perception Systems for Unmanned Vessels	Chuck Fralick	Maritime Chief Engineer, Leidos
1340 - 1405	MASS on Inland Waterways	Sim Turf	Chair – UNECE Working Party of Inland Water Transport
1405 - 1430	Update from Norway/INAS	Ørnulf Jan Rodseth	Norwegian Forum for Autonomous Ships
1430 – 1445	Coffee		
1445 - 1515	Short Sea Shipping and Inland Waterway Navigation	Antoon van Coillie	Director, Zulu Associates
1515 - 1545	Panel Discussion	Moderator - James Fanshawe	Chuck Fralick, Sim Turf, Ørnulf Jan Rodseth, Antoon van Coillie
1545 – 1600	Summary		
1600	Conference closes		