

**SATURDAY 22 April**
**09:30 Session 1: Opening**

09:30	Frances Baskerville	CIRM	Welcome & Introduction
09:40	Michael Rodey	Maersk	Keynote speech
09:50	Michael Bergmann	CIRM	President's address
10:10	Richard Doherty	CIRM	CIRM technical report

10:40 *Tea & Coffee*

**11:00 Session 2: Developments in Nav & Comms** *Mod: Richard Doherty (CIRM)*

11:00	Dr Paul Williams	GLA	Developments in terrestrial navigation systems
11:20	Chris Hoffman	ACR Electronics	Autonomous Maritime Radio Devices (AMRDs)
11:40	Emma Fowler	ChartWorld	Safe navigation by enhanced bathymetry
12:00	Anders Rasmussen	Daniamant	Electronic Inclinometer: supporting the decision-making process on board and assisting in maritime casualty investigations

12:20 Time for questions

12:30 *Lunch*  
*Sponsored by Jotron*


**14:00 Session 3: Innovations in Products & Services** *Mod: Michael Bergmann (CIRM)*

14:00	Ralph Becker-Heins	Safebridge	New equipment-related training needs on the horizon
14:20	Carl Magne Rustand	Kongsberg	SESAME Straits: an e-navigation test bed project
14:40	Paul Smulders	Radio Holland	Remote support: the Radio Holland way
15:00	Jeppe Skovbakke Juhl	BIMCO	E-solutions for automated information exchange between ship and port

15:20 Time for questions

15:30 *Tea & Coffee*

**16:00 Session 4: CIRM AGM**

16:00 CIRM Annual General Meeting For CIRM members only

**17:30 Close of Day One**
**Saturday evening**

Opening party at the Coyote Tex-Mex Grill & Bar, 19:00 till late (transport provided)

Sponsored by 

**SUNDAY 23 April**
**09:00 Session 5: Insight from wider industry** *Mod: James Fanshawe CBE (MASRWG)*

09:00	Nick Cutmore	International Maritime Pilots' Association (IMPA)	Pilot Technology: needs and training – the whys and wherefores
09:20	Francis Zachariae	IALA	An update on IALA work and co-operation with CIRM
09:40	Peter Hinchliffe	International Chamber of Shipping (ICS)	Insights from ICS: smarter, safer ships
10:00	Steve Austin	UK Maritime and Coastguard Agency (MCA)	Some issues around regulation and innovation – IMO and ITU uncovered...


10:20 Time for questions

10:30 *Tea & Coffee*

**11:00 Session 6: Autonomous Shipping Seminar** *Mod: James Fanshawe CBE (MASRWG)*

11:00	Oskar Levander	Rolls Royce	Redefining shipping with autonomous & digital solutions
11:20	Michael Rodey	Maersk	The times they are a-changin'
11:40	Dan Hook	ASV Global	Unmanned surface vessels in operation today and the lessons learnt to help larger systems

12:00 Panel discussion

12:30	Richard Doherty	CIRM	Introduction of Working Groups
12:35	<i>Lunch</i> <i>Sponsored by</i> <i>Alphatron Marine</i>		
			
<b>14:00</b>	<b>Session 7: Working Groups</b>		
	1) S-Mode WG	<i>Hannu Peiponen/Richard Doherty</i>	
	2) Cyber Security WG	<i>Brendan Saunders/Phil Lane</i>	
	3) Radiocomms WG	<i>Kim Fisher/Chris Hoffman</i>	
15:30	<i>Tea &amp; Coffee</i>		
<b>16:00</b>	<b>Session 8: Working Groups</b>		
	1) S-Mode WG	<i>Hannu Peiponen/Richard Doherty</i>	
	2) Cyber Security WG	<i>Brendan Saunders/Phil Lane</i>	
	3) Radiocomms WG	<i>Kim Fisher/Chris Hoffman</i>	
<b>17:30</b>	<b>Close of Day Two</b>		

<b>MONDAY 24 April</b>			
<b>09:00</b>	<b>Session 9: Regulations &amp; Standards</b>		<b>Mod: Phil Lane (CIRM)</b>
09:00	Kate Duffy	RTCM	RTCM Report
09:20	Kim Fisher	CIRM	IEC/ITU/ISO Report
09:40	Tom Mellor	IHO	IHO changes affecting the ECDIS industry
10:00	Peter Andersen	Cobham SATCOM	Connecting to the future
10:20	Time for questions		
10:30	<i>Tea &amp; Coffee</i>		
<b>11:00</b>	<b>Session 10: Industry Outlook</b>		<b>Mod: Chris Jones (Baltic Exchange)</b>
11:00	Christopher Jones	Baltic Exchange Asia-Pacific	The Baltic Exchange
11:20	Mike Meade	M3 Marine	The Offshore Marine Industry in 2017: challenging times
11:40	David Heaselden	The Shipowners' Mutual Protection & Indemnity Association	The Naked P&I Club
12:00	Frank Coles	Transas	Industry Outlook: the reality
12:20	Time for questions		
12:30	<i>Lunch</i> <i>Sponsored by Cobham</i>		
			
<b>14:00</b>	<b>Session 11: Service Perspectives</b>		<b>Mod: Anders Rydinger (TRANSAS)</b>
14:00	Jeroen Kortsmid	Alphatron Marine	Remote service technology - AlphaEye
14:20	Claudio Aleandri	SIRM	Cloud-based integrated fleet operations centre
14:40	Hans Ottosen	Danelec	Remote VDR APT/navigation equipment diagnostics
15:00	Nafeesa Moloobhoy	A. S. Moloobhoy	Common links and cohesive representation for the maritime customer
15:20	Time for questions		
15:30	<i>Tea &amp; Coffee</i>		
<b>16:00</b>	<b>Session 12: Report of WGs; Close</b>		<b>Mod: Richard Doherty (CIRM)</b>
16:00	Working Group chairs		Reports of Working Groups
16:30	Richard Doherty	CIRM	Conference conclusions
16:40	Kim Fisher & Frances Baskerville	CIRM	2018 – CIRM's 90 <sup>th</sup> year
<b>16:50</b>	<b>Close of Day Three</b>		
<b>Monday evening –</b> <b>Group dinner at 1-Altitude, Stellar Main Dining Room, 19:00 – 22:00 (nearby)</b> Sponsored by 			