2018 Technology Day and Brokerage Event

Alain Bovis, ECMAR Director

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WELCOME

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Agenda 11 October 2018

Venue:

- Regione Liguria
  Rue du Trône 62
  1050 Bruxelles

Agenda:

13:00 - 13:30	Presentation of ECMAR and Technology Day (Alain Bovis- ECMAR director)
13:30 - 13:55	MARITEC-X (Simon Quinn - University of Southampton)
13:55 - 14:20	GRENDEL (Ionel Chirica - Ship Design Group)
14:20 - 14:45	SPACE@SEA (Henk Prins - MARIN)
14:45 - 15:10	RAMSSES (Carlo Cau - CETENA)
15:10 - 15:40	**coffee break**
15:40 - 16:55	HOLISHIP (Jochen Marzi - HSVA)
16:55 - 16:30	LeanShips (Pieter Huyskens - DAMEN / Olivier Langrand - SIREHNA)
16:30 - 17:00	Presentation of future calls (Marco Schembri - ECMAR chairman)
17:00	**Cocktail**

Agenda 12 October 2018

Venue:

- Regione Liguria
  Rue du Trône 62
  1050 Bruxelles

Agenda:

09:00- 13:00 Brokerage Event

Please, fill the available form to make us know the future calls your are interested in

13:00 Lunch

Participants

Carlo Cau	CETENA S.p.A.
Marco Schembri	CETENA
Henk Prins	MARIN
Alain BOVIS	ECMAR
Jochen Marzi	HSVA
ADRIAN SARASQUETE	VICUSdt
Moez Jomâa	SINTEF
Elizabeth Lindstad	SINTEF Ocean AS
Jaap Gebraad	SEA Europe
Professor Spyros Hirdaris	Aalto University
George Smyrnakis	WEGEMT
Simon	WUMTIA
Arthur van der Meer	Airbus
Rafet Emek Kurt	University of Strathclyde
Osman Kaya Turan	OKT Shipping & Trading Ltd.
Erdeniz Erol	Elkon Elektrik San. Tic. A.S
OMUR KARATAS	ORTECH MARINE INC.
Ionel CHIRICA	SHIP DESIGN GROUP Galati, Romania
John Koch Nielsen	FORCE Technology

Seppo Kivimaa	VTT Ltd
Pieter Huyskens	Damen Shipyards
Lorenzo Andrea Ciardo	Graduated in Naval Architecture and Marine Engineering
Afroditi Anagnostopoulou	CERTH/HIT
Aida Ferreiro Amil	Fundación Galicia Europa
COURREGELONGUE	Bureau Veritas Marine & Offshore
Marnix Krikke	Netherlands Maritime Technology
M. Goldan	NMTF
Maurits Huisman	TNO
alina.stadnitskaia@me.com	ECMAR
Stephan Wurst	BALance Technology Consulting GmbH
Olivier Langrand	Sirehna
Mehmet Atlar	University of Strathclyde
Luis Díez	Cádiz University

About ECMAR

ECMAR is a Brussels based non-profit association open to organisations, which:

- Undertake applied maritime R&D;
- Are active in the fields of offshore, shipbuilding and shipping;
- Have a primary focus on commercial activities;
- Are located in one of the European States

ECMAR Association aims to the development of a common strategy for European Research in the maritime industry, and to promote and support the adoption of the relevant research priorities within the area of EU funded Research, Innovation and Technology Development.

ECMAR is open to other European associations involved in maritime applied R&D as Associate Members

21 Members

ECMAR

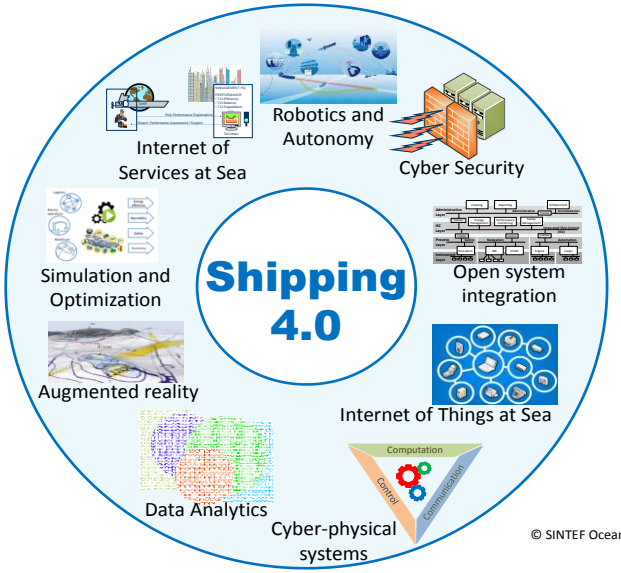
ECMAR Position Paper

Purpose :

- *To provide a catalyst and focus for future research, development, and innovation, in order to address future challenges and present opportunities for ECMAR members.*
- *The research topics considered address societal, global, and industrial challenges to deliver a more eco-friendly, safer, and competitive maritime industry, for a sustainable future.*

ECMAR Vision

- Current and future challenges and drivers will continue to encourage shipping to lower its environmental impact and improve its safety record.
- More vessels will offer superior energy efficiency through measures such as improved hydrodynamics, use of lightweight materials, and advanced hybrid-power generation systems etc.
- Digitalisation will spur automation and positively impact safety and environmental performance.



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ECMAR's Technology Outlook for 2030

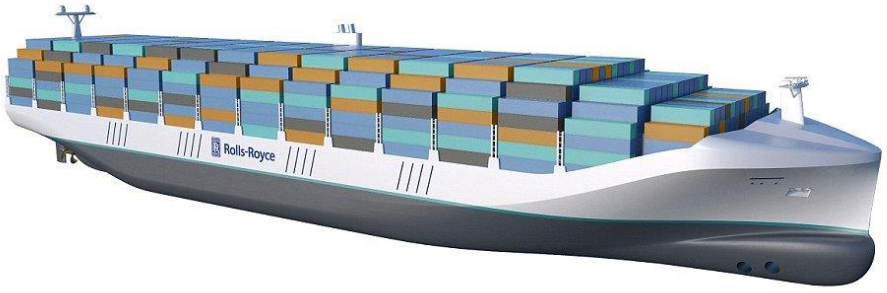
Selected Technology areas:

Courtesy of Switijnk Shipping

- *Energy efficiency and Emissions*
- *Ship Powering Options*
- *Safety and Security*
- *Materials and Production*
- *Connected and automated maritime transport*
- *Integrated transport Logistics*
- *Human Factors*
- *Acoustic and Underwater Noise*
- *Blue Growth and maritime activities in the Arctic region*

ECMAR's Technology Outlook for 2030

- The research topics considered address societal, global, and industrial challenges to deliver a more eco-friendly, safer, and competitive maritime industry, for a sustainable future.
- Many of the research topics will use the new transformative technologies of Cyber Physical Systems, alongside the more traditional areas carried out by ECMAR organisations.
- These transformative technologies, in association with human factors, will be key elements for smart manufacturing and ship operation, and for improving competitiveness, safety and security.



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Courtesy of Rolls-Royce

ECMAR and WATERBORNE TP

- WATERBORNE Platform was established earlier this century and recognized as Technology Platform by the EC for the maritime sector
- Las year WATERBORNE TP was reorganized as an association between industrial and research companies, universities and professional associations including SeaEurope and ECMAR

ECMAR and WATERBORNE TP

- ECMAR Chairman has been elected as a Member of the Management Board of WATERBORNE TP
- ECMAR is represented in each of the three Industrial Research Advisory Goups:
  - Ships and Shipping
  - Blue Growth: *Renewable energy, aqua farming, human activities at* sea
  - Infrastructure and Logistics: *Ports, inland waterway, interaction with logistics*

Thank you

ECMAR
European Council for Maritime Applied R&D

To join us contact : director@ecmar.eu

www.ecmar.eu