

INVITATION: CONFERENCE

# DIGITIZATION AND AUTOMATION IN THE MARITIME SUPPLY CHAIN

This conference addresses important challenges and opportunities for companies in the maritime industry, with focus on the transition from manned to autonomous ships.

CBS MARITIME



CBS  COPENHAGEN BUSINESS SCHOOL  
HANDELSHØJSKOLEN

# Program Of The Day

8.30: Registration and Breakfast

9.00-9.10: Welcome and introduction by Henrik Sornn-Friese, Director of CBS Maritime

## *Session 1: Autonomous Ships and Ports*

Automation is a hot topic in the maritime industry. This session examines the extent and directions of automation of ships and ports: How far are we? What areas and functions will be digitalized? What challenges may arise? And what implications will the development have for the business models of the future?

9.10-9.40: "State of the Industry – a Market Perspective", Keynote by Peter Sand, Chief Shipping Analyst, BIMCO

9.40-10.10: "Autonomous ships", Mogens Blanke, Professor, DTU Electrical Engineering

10.10-10.40: "Service Engineering for the Digitalization in Future Seaports", Aaron Heuermann, Research Scientist, BIBA,

10.40-10.55: Q & A, Henrik Sornn-Friese, Director of CBS Maritime

10.55-11:25 Coffee break

## *Session 2: Digitization of the Maritime Supply Chain*

*This session looks at the implications for voyage planning and ship management, claims and realities of digitization in relation to documentary paperwork, and the legal challenges.*

11.25-11.55: "EfficienSea2 – Creating opportunities", Mads Friis Sørensen, Chief Advisor, Danish Maritime Authority

11.55-12.25: "Claims and Realities of Digitization", Hans Joakim Schramm, Senior Lecturer, Wirtschaftsuniversität Wien and External Lecturer,

12.25-13.25: Lunch & coffee

13.25-13.55 "Legal Challenges for the Digital Supply Chain", Christian Benedictsen-Nislev, Attorney and Solicitor, NJORD Lawfirm

13.55-14.10 Q & A, Henrik Sornn-Friese, Director of CBS Maritime

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## *Session 3: Panel Debate*

*A discussion of the challenges and opportunities in relation to digitization and automation in the maritime supply chain, including a realistic time horizon, allocation of responsibility, risk and reward distribution, management innovation, cyber security, law and regulation, and other relevant issues.*

14.10-15.10: Panel Debate "Challenges and Opportunities for Digitization and Automation",  
*Moderated by Günter Prockl, Associate Professor, Copenhagen Business School*

Panelists:

Peter Sand, Chief Shipping Analyst, BIMCO

Mogens Blanke, Professor, DTU Technical Engineering

Aaron Heuermann, Research Scientist, BIBA

Mads Friis Sørensen, Chief Advisor, Danish Maritime Authority

Hans-Joachim Schramm, Senior Lecturer, Wirtschaftsuniversität Wien and External Lecturer, Copenhagen Business School

Christian Benedictsén-Nislev, Attorney and Solicitor. NJORD LAWfirm

Niels Bruus, Senior Director, Head of Future Solutions, Mærsk Line

Bjarke Holm Hansen, Attorney and Partner, Core Law Firm

15.10-15.15: Concluding remarks by Henrik Sornn-Friese, Director of CBS Maritime

15.15: Reception

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## BACKGROUND

Digitization and automation has recently become a hot topic among companies and organizations in the global maritime supply chain. Discussions center around such different notions as autonomous ships, fully automated ports, digitized shipping information and documentation, automatic monitoring of vessels and equipment, and more. The fully autonomous ship can be considered a possible and realistic solution for the international transportation of goods in the near future, which raises questions about time horizon and transition, as well as the business models and management systems needed to accommodate the changes, and the risk and reward distribution, allocation of responsibility, cyber security, and laws and regulation.

This conference aims to shed light on the transition from manned to autonomous ships. The speakers are maritime researchers, industry participants from various nodes in the global maritime supply chain, and representatives from different industry associations.

## DATE AND TIME

31. May 2017, 8.30am-15.15pm.

## VENUE

Kilen, Kilevej 14, 2000 Frederiksberg, room Ks 43.

## REGISTRATION

Please register with your name, email, position, and organization by 26 May 2017 via the [TINV webpage](#).

The conference is free of charge.

Please note that a no-show fee of 450 DKK will be added if you do not cancel at least 24 hours before the conference.

## WEBPAGE

Read more about the conference on the CBS Maritime [webpage](#).

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