

## ABOUT

# Prof. Ralf Brauner



Prof. Brauner studied Meteorology and Oceanography at the University of Hamburg. Subsequently in 1991, he became Professional Yacht Captain with activities in international Sailing, pleasure and regatta, as well as managing Superyacht Projects. He also was and still examiner for international licenses regarding shipping and communication. From 1992 until 2009, he was at the Marine Department of the German Weather Service being responsible in the topics of Weather Forecast Shipping and Aviation, International Expeditions in the Antarctic and Arctic, Logistics in flight operations for the Antarctic region, international expeditions on research vessels worldwide, Weather Routing for Shipping and Aviation and also Quality Management.

Since 2009 he is Professor for Marine Meteorology, Sustainable Shipping and Computer Science at the Jade University of Applied Sciences. His lectures cover Marine Meteorology, Sustainable Shipping, Physics, Technical Modules, Business and Technical Projects. The research interests he is involved in are Sustainable Shipping, Energy Management (H2, LNG, SNG, Methanol), Battery Power, Offshore Industry, Ports, Hybrid Systems, Scrubber, Catalysator Technology, Climate Change and Climate impacts. He was part of the projects PAMARCMiP (Polar Airborne Measurements and Arctic Regional Climate Model Simulation Project), NetCare (Network on Climate and Aerosols) and Baltic Sea Study 2015 (Airborne measurements of ship emissions over the Baltic Sea) all in cooperation with the Alfred-Wegener-Institute , Helmholtz Centre for Polar and Marine Research (AWI).

Prof. Brauner is a recognized professional expert in Sustainable Shipping & Maritime Technologies, Chairman & speaker at international Conferences, invited lecturer in foreign countries and consulting projects regarding Superyachts, Sustainable Shipping, Offshore Weather Routing.

In their talk entitled "Hydrogen and Synthetic Products - Applications in the Maritime Economy", Prof. Brauner and Mr. Sichau will provide insight into their current research and discuss the importance of his work for the future development of implementing hydrogen technologies in maritime applications.