

## Advanced Observation and Predictive Modeling

**MARTIN VISBECK, professor**

**GEOMAR Helmholtz-Centre for Ocean Research**

*Seminar 4a (first day): Observing the Atlantic Meridional Ocean Overturning Circulation*

*Seminar 4b (second day): Digital Twins of the Ocean - Future proving Ocean Sustainable Development*

Martin Visbeck is head of research unit Physical Oceanography at GEOMAR Helmholtz Centre for Ocean Research Kiel and professor at Kiel University, Germany. His research interests revolve around ocean's role in the climate system, ocean circulation, upwelling systems, integrated global ocean observation, digital-twins of the ocean and the ocean dimension of sustainable development. He is deeply involved in the UN Decade of Ocean Science for Sustainable Development (2021-2030) and promoting sustained ocean observations and Digital Twins of the ocean. He serves on a number of national and international advisory committees including member of the Governing Board of the International Science Council (ISC), Joint Scientific Committee of the World Climate Research Programme (WCRP), Research Board of the World Meteorological Organization (WMO), leadership council of the Sustainable Development Solutions Network (SDSN), and past member of the Interim Decade Advisory Board for the UN Decade of Ocean Science Decade for Sustainable Development 2021-2030 and the EU ocean mission board assembly. He was elected fellow of the AGU, AMS, TOS, ISC and the European Academy of Sciences.

