Prof. Dr.-Ing. habil. Torsten Schlurmann

RESUMEE

Prof. Dr.-Ing. habil. Torsten Schlurmann (born 1971) has been Professor and Managing Director of the Ludwig-Franzius-Institute for Hydraulic, Estuarine and Coastal Engineering since 2007. He is also currently Managing Director of the Coastal Research Centre, a joint central institution of Leibniz Universität Hannover and Technische Universität Braunschweig that operates the recently extended, world-renowned Large Wave Current Flume (GWK+). Prof Schlurmann holds a diploma degree in Civil and Engineering (1995) and a PhD in Coastal and Maritime Engineering (1999) from Bergische Universität Wuppertal. After completing his doctorate, he continued his academic career as a Postdoctoral Scientist (Oberingenieur, C2) at Bergische Universität Wuppertal. He finalized his habilitation thesis in 2005 to obtain the venia legendi in Hydraulic Engineering and Water Resources.

Following the devastating tsunami in the Indian Ocean in December 2004, Prof. Schlurmann accepted a full-time appointment at the Institute for Environment and Human Security (EHS), Bonn, at the United Nations University (UNU), Tokyo, and joined the United Nations. As Head of the Section for Coastal Risks, he played a leading role in the design and implementation of a tsunami early warning system (TEWS) in the Indian Ocean and was one of the responsible Lead-PI of the two BMBF projects GITEWS (FKZ: 03TSU01) and Last-Mile – Evacuation (FKZ: 03G0666A-E). He soon was appointed as W3-Professor for Hydraulic and Coastal Engineering at Leibniz University Hannover in 2007, but remained ex officio formal advisor to the Director of the Institute for Environment and Human Security, Bonn, of the United Nations University, Tokyo, of the United Nations in several overarching UN committees and working groups on the development and operation of TEWS until 2010. His main research areas concentrate on the modelling of estuarine and coastal processes, strategies and measures in coastal protection, port construction and maintenance, development of maritime technologies as well as in risk management. Currently, his main research interests are in the fields of (among others):

- **Offshore wind and marine renewable energies**, e.g. as PI in the DFG CRC1463 Offshore Megastructures and the BMWK-project marTech
- **Implication of climate-driven processes and impacts from sea level rise** in coastal and estuarine environments, e.g. as PI in the DFG-project DICES and BMBF-projects CoastalFutures or ECAS-Baltic. Since beginning of 2024 he's PI in the BMBF-projects MultiMarex, MetaScales and speaker of the 3rd research mission mareXtreme of the Deutsche Allianz Meeresforschung (DAM), and,
- **Development of Nature-based Solutions (NbS) and quantification of ecosystem services** in coastal protection, e.g. as PI in the BMBF-projects BIVA-Watt and VeMoLahn or MWK-project Gute Küste Niedersachsen

Prof. Schlurmann holds membership of several national institutional organizations and committees. Currently, he's Deputy Chair of Executive Board of German Marine Research Consortium (KDM), member of Executive Board of ForWind – Center for Wind Energy Research, and newly appointed member of International Scientific Advisory Board of Leibniz Centre for Tropical Marine Research (ZMT) to name but a few. Additionally, he's an appointed member of the scientific board of the Federal Waterways Engineering and Research Institute (BAW). Previously, he served as Dean of the Faculty of Civil Engineering and Geodetic Science from 2013-15. In addition, he was an elected member of the Academic Senate of Leibniz University Hannover from 2011-13. Prof. Schlurmann is married and a father of twin boys (born 2010).