

Short Bio

Prof. Hinkelmann obtained a Diploma in Civil Engineering in 1991 and a Doctoral Degree (Dr.-Ing.) in shallow water flow modeling and high performance computing in 1997, both from University of Hannover, Germany. After that he became Senior Engineer at the Institute of Computer Applications in Civil Engineering, Technische Universität Braunschweig, Germany from 1997 until 2000 and at the Department of Hydromechanics and Modeling of Hydrosystems, University of Stuttgart, Germany from 2000 until 2004. At the latter institution he obtained a Habilitation with a Venia Legendi in Hydromechanics and Hydroinformatics in 2003. Since 2004 he is heading the Chair Water Resources Management and Modeling of Hydrosystems, Technische Universität Berlin, Germany.

In education he is giving lectures in fluid mechanics, hydraulic engineering, engineering hydrology, water resources management and modeling hydro- and environmental systems in the bachelor and master programmes in Civil Engineering, Civil Systems Engineering and Environmental Science and Technology.

His research interests are on shallow water flows, robust numerical methods, artificial neural networks, high-resolution two- and three-dimensional hydraulic and environmental flows applied to flash floods, river restoration, urban waters, sewer systems, hyporheic zone and water quality. He was / is Speaker of several joint research projects, currently of the Research Training Group Urban Water Interfaces (RTG UWI; 2015 – 2024; 3 generations of 13 doctoral students each) funded by the Deutsche Forschungsgemeinschaft (DFG).

Further information is found at: www.wahyd.tu-berlin.de