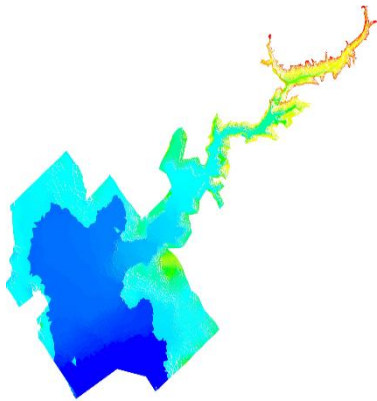


Announcement of the seminar in the winter semester 2018/19

# Recent Advances in Shallow Water Flow Modelling

Gustav-Meyer-Allee 25, 13355 Berlin - TIB 13b, Room 578



Shallow water flow modellings have been used extensively for decades with various applications in hydroscience and engineering such as flood prediction and management, river restoration and engineering, environmental hydraulics and morphodynamics. In recent years, there has been a special focus on developing high efficiency and robust solvers combined with high-resolution topography. Various methodologies have been developed to address the issue of computational costs, which can be grouped in three categories: (I) high-performance scientific computing, (II) adaptive methods and (III) reduced modelling. The seminar will address some of these challenging issues.

Time	Title	Reporter	Institution
16:00 - 16:30	The recent high-performance flood modelling technologies for real-time forecasting	Prof. Q. Liang	Loughborough University, UK
16:45 - 17:15	Hyperbolizing the zero-inertia equation	Dr.-Ing. I. Özgen	Lawrence Berkeley National Laboratory, California, USA
17:30 - 17:45	An integral porosity shallow water model approach with extensive pre- and post-processing	B.Sc. F. Amann	Technische Universität Berlin

Schedule: **Thursday 21/03/2019 4 p.m. to 6 p.m.**

Contact: Tian Wang, M.Sc. Tel. 030-314-72429, [tian.wang@wahyd.tu-berlin.de](mailto:tian.wang@wahyd.tu-berlin.de)