



**The DFG Research Training Group on Urban Water Interfaces (UWI) invites  
to a guest lecture by**

**Prof. Dr.-Ing. Markus Disse, Technical University of Munich,  
Chair of Hydrology and River Basin Management**

**Tuesday, 20<sup>th</sup> June 2017, 12:15 pm, TU Berlin, TIB-area, building 21c,  
room 004**

**Lecture title: *How to cope with Uncertainties in Flood Forecasting – The  
Research Project FloodEvac***

*Abstract*

In June 2013 the flood incidents in Germany and its eastern neighboring countries have shown that not only buildings but also transportation infrastructures are affected. Furthermore, the sewage and drainage systems play a fundamental role in water drainage and the environmental hazard. The endangerment of the transportation infrastructure and its evaluation regarding evacuation, warnings and security of supply have not been examined yet.

Within the context of the research project FloodEvac, the aim of the sub project „Flood Modeling and Flooded Areas“ is to develop an efficient management tool for flood prediction in medium sized catchment areas. Thereby the flood warnings will be faster and more reliable than the conventional methods have been so far. The main goal of the research is to analyze the processes and related uncertainties of flood formation: Precipitation forecast - precipitation runoff model - hydrodynamic model.

Based on the outcome of this research, an expert system will be developed which can be applied fully operational and which is easy to operate. This way an early warning for the population will be ensured.

Detailed information about Prof. Disse can be found on the following website:

<https://www.hydrologie.bgu.tum.de/index.php?id=14&L=1>

How to find the TU Berlin TIB-area:

[http://www.wahyd.tu-berlin.de/menue/about\\_us/location/](http://www.wahyd.tu-berlin.de/menue/about_us/location/)