

Introducing RTG 2725 Urban future-making



Michelle Renz

Michelle Renz holds a Bachelors degree in Geography from the University of Hamburg and a Masters degree in Urban Design from the HafenCity University Hamburg. After her studies she worked at different Universities and as a consultant for i. a. cities, federal ministries and research institutions in the field of urban development, housing and digitalization. At Technical University Berlin Michelle worked as a research assistant at the chair for Sustainable Urban Planning and Urban Design, and taught at the Master's Course in Urban Design at the HafenCity University Hamburg. Her research combines the areas of urban transformation processes, digitalization and sustainability.

Since 2022 she is part of the RTG "Urban future-making" at HafenCity University. Her PhD focusses on digital cities and future urban development using the example of digital urban twins. Digital technologies are increasingly important for cities to cope complex challenges. The new concept of digital twins represents specific realities and components of a city. The dissertation examines the phenomenon of digital twins with regard to a future and sustainable urban development. The PhD-project is based between the areas of digitalization, urban transformation and sustainability. It aims to contribute to future spatial development for adapted resilient cities and actions of involved actors. In doing so it looks at narratives of future cities, the implementation of digital urban twins and examines their potentials and limitations in the sense of climate urbanism as well as for actors in urban city making.