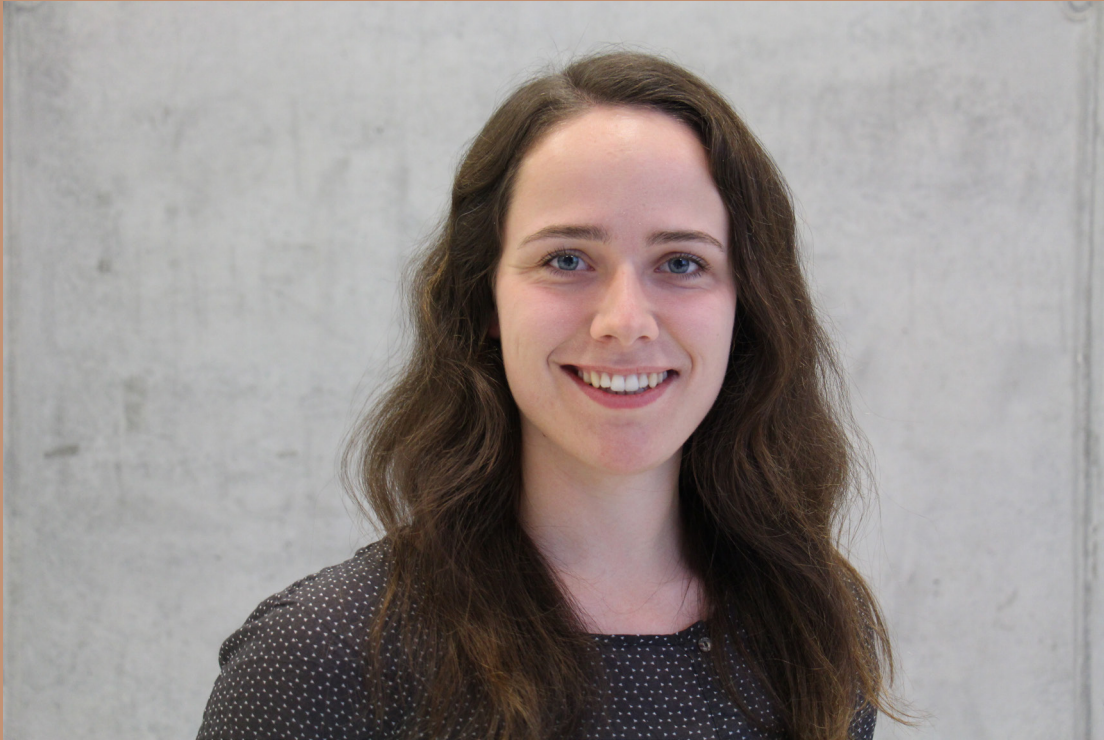


Introducing RTG 2725 Urban future-making



Maren Zywietz

Maren Zywietz joined the Research Training Group “Urban future-making: Professional agency across time and scale” at HafenCity University Hamburg as an associated doctoral researcher in June 2022. Maren holds a Master of Science in Architectural Engineering and currently works as a Research Associate at the Studio for Design and Analysis of Structures at HafenCity University Hamburg. In addition to teaching structural analysis, she supports and leads interdisciplinary design seminars at the interface between architecture and structural engineering.

In February 2019, Maren started her research under the supervision of Prof. Dr.-Ing. Annette Bögle. The aim of her doctoral project is to explore the possibilities and limits of lightweight structures for circular construction in order to make previously unused structural potentials visible. Particularly with regard to their changeability and adaptability, these load-bearing structures offer creative possibilities for urban architecture. The project focuses on the use of circular materials and components to enable the transformation of load-bearing structures towards a circular economy. Initial results show that not only an efficient load-bearing behaviour contributes to the sensible use of resources, but that resource effectiveness also plays an important role. In this context, the lightweight design philosophy offers starting points for developing sustainable and state-of-the-art solutions for architectural applications.