The HafenCity Universität Hamburg - Universität für Baukunst und Metropolenentwicklung (HCU) is the University of the Built Environment and Metropolitan Development. The education and research at the HCU Hamburg are aimed at contemplating and concretising what the future of metropolitan areas could and should look like. Coping with this future implies a systematic interdisciplinary as well as a transdisciplinary approach. For this reason, the HCU follows an integrated approach that combines all study fields, as well as research and teaching.

In the Department of Digital City Science at the HafenCity Universität Hamburg following position is open, starting as soon as possible.

**Research Associate/Academic Assistant**

**Area: Digital City Science**

(Entgeltgruppe 13 TV-L)

(39h weekly working time, 100% E13, TV-L, for a period of three years with the possibility for continuation)

The professorship “Digital City Science” at HCU researches digital technologies for urban and metropolitan development. Our interdisciplinary team develops innovative instruments for the analysis and planning of complex urban systems and brings together expertise in architecture, urban and spatial planning, IT, media technology, etc. for this purpose. In cooperation with partners from academia, business, administration and civil society, we develop data-based tools and processes that are applied in the national and international context. Our scientific activities include basic research, concrete application projects as well as knowledge transfer in teaching and scientific training.

**Tasks**

Within the Digital City Science group, you take the role of a „Lead Technologist“ who supervises, consults, and cross-connects the ongoing research and innovation projects. You work in a cross-cutting manner across the various research and innovation endeavours and fuel them with own creative ideas. A central aspect of your work is the generation of new challenging research ventures, which may also support your PhD work. You work on the intersection between Software- and IT experts on the one hand, and city scientists and urban planners on the other. Beyond HCU, you will connect to other IT and computer science departments in Hamburg and beyond, and cooperate with an international network of urban data scientists in various research projects. Also you transfer your experience and knowledge in academic teaching to students, thus training the next generation of Digital City Scientists.

**Requirements**

- a scientific degree (Diploma, Master or similar) in Computer Science, Software Development, Media Technology, Geoinformatics or disciplines with a thematic relation to Digital City Science (e.g. Urban Development, Architecture)
- good knowledge in software development and work experience with software development teams
- good understanding of the software and IT systems commonly used in the context of urban development, programming languages like Java, Javascript, Python
- interest in the ongoing development of BIM / CIM, GIS, and Digital Twins
- basic familiarity with IoT / CPS technologies commonly used in the urban context
Advantageous

- Interest in the field of urban development
- Skills in project- and team management / communication
- Experience in research and innovation projects
- International and interdisciplinary work experience

Application

The HafenCity Universität Hamburg provides a family friendly environment and supports the compatibility of family and career.

To ensure equal opportunities, applications by gender minorities and persons with immigrant background are explicitly desired.

Qualified individuals with disabilities will be favored.

Presence in Hamburg is required for this position.

We would point out that the applicant's classification in the level of experience within the advertised TV-L pay group within the recruitment procedure is based on the individually available professional experience of the candidate by the HR department of the HCU. Legally binding statements can only be made by the HR department of HCU.

For further information regarding this position please contact Prof. Jörg Rainer Noennig, joerg.noennig@hcu-hamburg.de.
To apply, please send digitally as one PDF-file (max.10 MB) a detailed CV and a portfolio along with a letter of application until 08.04.2021 to:

HafenCity Universität
Personalverwaltung
Stellen-Nr.: „2021-29 WiMi Digital Science“
Vorgangs-Nr.: 83781
Henning-Voscherau-Platz 1
20457 Hamburg
E-Mail: bewerbung@vw.hcu-hamburg.de

Please include the number “2021-29 WiMi Digital Science” to your application.

Travel and accommodation costs for job interviews cannot be reimbursed by the HafenCity Universität Hamburg.