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 concretizing 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 CityScienceLab at the HafenCity Universität Hamburg following position is open, starting as soon as possible

**Research Associate (w/m/d) – UNITAC_2**

(Entgeltgruppe 13 TV-L)

(39,00h weekly working time, 100% E13, TV-L, for a period of three years with the possibility for continuation - the position is generally suitable for part-time)

The CityScienceLab is an academic unit with a research focus that is being developed in cooperation with the MIT Media Lab Cambridge / USA. It pursues an interdisciplinary and transdisciplinary perspective by combining technical issues (e.g. digital city infrastructures, data mapping and modeling, urban sensor systems, urban twin technologies) with social and cultural developments (healthy city, refugee integration, sustainable mobility, civic science, etc.). The CityScienceLab consists of an intercultural team.

UNITAC Hamburg is a new cooperation project with UN Habitat and UN Office for ICT, where the HafenCity University (HCU) and the City Science Lab (CSL) will explore the potential of digital technologies, data and innovation to contribute to sustainable urban development. The project will work with a variety of innovation, prototyping and applied research methodologies to develop innovative solutions that accelerate the achievement of Sustainable Development Goals related to cities and urbanization. The focus will be SDG 11 on sustainable cities and communities, but all urban aspects of the SDGs will be considered, including SDGs 5, 16, 17 and others.

**Tasks**

In the new cooperation project ‘UNITAC Hamburg’ your main responsibilities will be applied research and development of sustainable technology and data solutions for cities. You will design, implement and test innovative technology and data solutions for cities around the world, related to the three thematic fields: 1. Open, transparent and participatory governance of data and digital platforms, 2. Mapping, spatial analysis, data analytics and visualization, 3. People-centered smart cities. Working with both international and local teams from research, enterprises and civil society one of your core tasks will be bridging the gap between various data sources and establishing new, knowledge oriented workflows for geo data infrastructures. In close collaboration with the CityScienceLab you will both develop new solutions as well as integrate existing ones in an evolving digital eco-system. Besides project design, you will also be involved in project management. You will work in an interdisciplinary team of urban development, innovation and technology specialists with a passion for sustainable cities, international development and digital innovation.

**Requirements**

The academic research associate/academic assistant will have

- An academic degree in computer science, geo-informatics, or related subjects. (BSc. or MSc. Level)

**Application**

- Expertise in computational science, data science, visualisation and interfaces.
Experience with developing creative solutions at the interface of technology and urban development.

Practical experience working in and/or collaborating with a wide range of urban development and innovation actors at local and international level, such as public authorities, civil society organizations, start-ups, research institutions, city networks, etc.

Practical experience in collaborative software development (Git) within interdisciplinary and intercultural research and project teams

Knowledge of Open Data Management/Platforms and (Geo-)data standards (e.g. OGC)

Knowledge in one or more of the three thematic fields: 1. Open, transparent and participatory governance of data and digital platforms, 2. Mapping, spatial analysis, data analytics and visualization, 3. People-centered smart cities

Fluency (written and spoken) in English and German is required. Additional knowledge of any of the six official languages of the United Nations (Arabic, Chinese, English, French, Russian and Spanish) is an asset.

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 Frau Gesa Ziemer +49 (040) 428 27-5621.

To apply, please send digitally as one PDF-file (max.10 MB) a detailed CV and a portfolio along with a letter of application by 24 December 2020 to:

E-Mail: hcu-bewerbung@vw.hcu-hamburg.de

HafenCity Universität
Personalverwaltung
Stellen-Nr.: 2020-84 UNITAC_2“
number: 83167
Henning-Voscherau-Platz 1
20457 Hamburg

Please include the number “2020-84 UNITAC_2” to your application.

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