At HafenCity University (HCU), subject to the provision of funds, the following position is expected to be available in the area of Digital City Science from 01.11.2023 as a

**Research Associate (m/f/g) in the project “i-LUM”**
Pay group 13 TV-L

to support research with 50% of the regular weekly working time. The position is a fixed-term appointment until 31.08.2024.

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### About us

The HafenCity University Hamburg, University of Architecture and Metropolitan Development (HCU) is a university that focuses on the built environment. The HCU unites all aspects of building and design, engineering, and natural sciences as well as geoscientific and social sciences under one roof.

The position is assigned to the Professorship of Prof. Jörg Rainer Noennig. The professorship for Digital City Science (DCS) at HCU researches digital technologies for urban development and planning and applies them on national and international level. The highly international and interdisciplinary team develops data-based tools for the analysis and design of complex urban systems, bringing together expertise from architecture, urban and spatial planning, computer science and media technology, among others. With its extensive partner network, it develops innovative digital tools for application in fundamental research, professional planning practice, and academic education.

The i-LUM project is funded by the Hamburg State Research Fund as part of the HamburgX projects. The objective of the project is the development of methodological, systemic and knowledge-based foundations for the elaboration and evaluation of the feasibility of innovative concepts and technologies for airborne urban mobility for the Hamburg Metropolitan Region in future scenarios (2040/2050). In the cooperative project between five Hamburg universities and the German Aerospace Center, the analysis of interdisciplinary influences of this new form of mobility is of high importance. It encompasses legal, psychological, societal, and technological aspects (more: [www.i-lum.de](http://www.i-lum.de)).

Here you can find more information about [HCU](http://www.hcu.de) and the employer Freie und Hansestadt Hamburg.

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### Your tasks

You...

- will research the potential of innovative air mobility in Hamburg from an urbanistic and holistic perspective.
- develop urban parameters, modelling and evaluation approaches for local application
• deal with the analysis and structuring of the ground-based infrastructure, especially the necessary take-off and landing spaces (vertiports).
• independently identify relevant research questions and investigate them using methodologically and theoretically suitable approaches.

Your profile

mandatory requirements
• a completed academic degree (master's degree or equivalent) in fields such as urban and regional development, sociology, geography, urban studies, urban planning, architecture, or similar
• experience in project management and coordination with external stakeholders
• experience in scientific work at the interface between applied research and basic research

additional requirements
• first scientific publications in academic journals
• experience in participating in interdisciplinary research and innovation projects
• experience or extended interest in mobility research, e.g., demand modelling and social acceptance
• knowledge of working with geographic information systems (GIS)
• knowledge of qualitative and quantitative social research
• ability to independently identify and analyze research questions
• interest in new technologies and their impact on the urban environment

Contact

For questions and further information, do not hesitate to contact Catherine Vandermeulen, at +49 (0) 40 42827-4076.

The applicant's classification regarding the level of experience within the advertised TV-L pay group is based on the candidate’s individual work experience and is reviewed by the HR department. Legally binding statements can only be made by the HR department of the HCU.

Please send your application (including CV, cover letter, and copies of relevant certificates), no later than 26.10.2023 (preferably by email as one PDF file) to:

HafenCity Universität
Personalverwaltung
Stellen-Nr.: 2023-121
Henning-Voscherau-Platz 1
20457 Hamburg
E-Mail: HCU-bewerbung@vw.hcu-hamburg.de
Please include the reference number „2023-121“ in your application.

Please be aware that in case of an invitation to an interview, HCU will not be able to cover any expenses for travel and lodging.
Due to the high number of applicants, the HCU will not be able to return application documents. Therefore, please do not submit originals of certificates. If you add a post-paid envelope, the HCU will return your application documents.