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 as soon as possible as a

**Research Associate (m/f/g) in the project “ARTUR”**

**Urban Resilience Expert**

Pay group 13 TV-L

to support in research with 50% of the regular weekly working time. The position is a fixed-term appointment until November 30, 2024.

**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 professorship for Digital City Science at HCU researches digital technologies for city and metropolitan development and applies them nationally and internationally. The international and interdisciplinary team develops data-based approaches for the analysis and planning of complex urban systems, bringing together expertise from architecture, urban and spatial planning, computer science and media technology. With an extensive partner network, groundbreaking tools are developed that are used in basic research as well as in concrete application projects and taught to students.

Within the framework of a larger, GIZ-lead project package, the HCU-led sub-project „Approaches Towards Urban Resilience in Ukraine“ (ARTUR) aims to prepare fundamental methodological approaches and conceptual instruments for the enhancement of urban resilience, thus preparing the creation of respective measures in Ukrainian cities in the longer run. The overall purpose and goals of the project can be summarized as follows:

- providing theoretical knowledge on urban resilience, with special regard to the experiences gained from the projects and activities in ISU II
- screening the state-of-the-art approaches and models for measuring urban resilience with a special focus on digital tools and spatial data
- creating a new model process ("Resilience checkup") to include urban resilience measures in strategic development concepts (e.g. communal housing or infrastructure planning)
- conceptualising and prototyping a digital decision support tool to enable rapid IUDC development, for monitoring and processing resilience indicators
- carrying out pilot tests of the model process and the digital tool with selected Ukrainian cities and communities to validate and assess the suitability of the approach
• developing human capacity by facilitating horizontal learning between cities, training personnel, and connecting relevant knowledge resources for the new tools and approaches.

The position is assigned to the Professorship of Prof. Jörg Rainer Noennig.

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

### Your tasks

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<th>Task</th>
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<td>screening the state of research on resilience models in areas such as infrastructure, social systems, urban development, etc.</td>
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<tr>
<td>assessment, selection, adaptation and further development of relevant resilience models and simulations for Ukrainian urban development and reconstruction planning</td>
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<td>creation of a model resilience index/resilience monitor for selected Ukrainian cities; development of recommendations for resilience-oriented urban development</td>
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<td>imparting relevant knowledge as part of measures for professional and technical personnel development</td>
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### Your profile

#### mandatory requirements

- a completed academic degree (Master's or equivalent) in urban development, environmental or organizational sciences or other disciplines relevant to urban resilience and systems research
- an academic degree (Bachelor or equivalent) in the above-mentioned subjects and four years of work experience in the relevant work areas of the vacant position
- sound knowledge of resilience and vulnerability models
- good English knowledge

You may also apply, when you have completed your Bachelor degree, but have not yet obtained the necessary four years of work experience. In this case the salary group will be 12 TV-L with the corresponding tasks and responsibilities.

#### additional requirements

- knowledge of processes of integrated and sustainable urban development
- knowledge of decision support systems
- ability to generate and validate new models and indicators
- experience with interdisciplinary and international working groups
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 **07.12.2023** (preferably by email as one PDF file) to:

HafenCity Universität
Personalverwaltung
Stellen-Nr.: 2023-145
Henning-Voscherau-Platz 1
20457 Hamburg
E-Mail: HCU-bewerbung@vw.hcu-hamburg.de

Please include the reference number „2023-145“ 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.