



**Institute for
Water Education
under the auspices
of UNESCO**

IHE Delft Institute for Water Education, the world's largest international graduate water education facility, works to strengthen water sector capacity to contribute to a world free of poverty and injustice, in which people manage their water and environmental resources sustainably and equitably.

More than 120 of IHE Delft's 200 staff members are academics from all over the world. About 250 guest lecturers from global academia and industry contribute to the Institute's educational programmes. Each year, 750 international professionals, including about 200 MSc students, attend courses at IHE Delft. Our working language is English, and we promote a healthy work-life balance.

IHE Delft is a unique knowledge institute in the Dutch research and educational landscape that combines excellence in education and research with work to advance global sustainable development. Partnerships are integral to achieving this mission: The Institute works closely with universities, government agencies, NGOs, and private sector institutions in the Netherlands and around the world. Through research, education and institutional strengthening, Institute staff make a tangible contribution towards all Sustainable Development Goals (SDGs) in which water is key.

The **Water Resources and Ecosystems Department** strives to support society to make decisions which sustain freshwater resources and ecosystems by balancing their protection, restoration, use and development. We do this through research, education and knowledge and capacity development in collaboration with other IHE departments and partners throughout the world. The Department conducts research and provides post-graduate education and training to professionals in the fields of hydraulic engineering, hydrology/hydrogeology, aquatic ecosystems. The department is organised into three research groups: 1) Hydrology and Water Resources, 2) River Basin Development, and 3) Aquatic Ecosystems, with each research group headed by a professor.

The **River Basin Development research group** investigates key processes in the natural and built environment in river basins, which are fundamental to the sustainable development of water resources and river systems. This includes water and sediment, and the interaction of these with climate, geomorphology, the biosphere and infrastructure. The group develops engineering and management solutions for a sustainable use of the natural resources within and across river basins.

The department intends to strengthen its expertise in the field of Hydraulic Engineering within the River Basin Development research group by recruiting a:

Associate Professor of Hydraulic Engineering **38 hours per week**

We seek a senior professional with expertise and experience in the field of hydraulics of structures and river systems, a strong track record in river engineering within the broad context of river basin development, and the capacity to integrate the research field within the interdisciplinary environment of the institute.

Profile

Research: The successful candidate will have a core research expertise in hydraulics and river engineering, but also shows evidence of broader knowledge and research within the context of the sustainable development of river basins. This may include interventions in river systems such as nature-based solutions; hydraulics of river systems and around structures; water storage and hydropower development; as well as management and governance of river systems. Such a breadth of expertise is needed for effective supervision of PhD fellows and MSc theses within the research group and collaboration in research and education with research groups across the institute. The candidate will have a strong research profile demonstrated by a proven record of high-

quality publications, experience as principle investigator, and success in acquiring external funding from differing funding sources.

Education: The successful candidate will be passionate about education with a demonstrable record of teaching, preferably in multicultural settings. Experience in developing educational curricula, including new courses, and the use of innovative teaching techniques (e.g. blended and online courses) will be an advantage.

Capacity Development: The successful candidate will have experience in projects related to institutional strengthening and/or the development and delivery of professional training in low and middle-income countries. Experience in working with partner academic institutions in educational and capacity development activities, and the design and delivery of tailor-made training programs for government and industry will be especially valued.

Professional Engagement: The successful candidate will be an active member of the water community with a well-developed network of researchers and practitioners internationally; including in Europe and the Netherlands (or be prepared to develop this), and be willing to engage with stakeholder organisations in the co-development of research activities.

Responsibilities:

The River Basin Development Research Group consists of scientists and educators and a variable number of PhD fellows, postdocs, project staff, and visiting researchers. The successful candidate will foster the disciplinary foundation of this research field within the broad & interdisciplinary domain of water and sustainable development, both within the group and across the institute. She/he will assume a leadership position within the River Basin Development research group by developing research and education activities in the field of hydraulic engineering.

The successful candidate will provide leadership in the management and development of MSc level courses both within the professional MSc programme and the research MSc programme offered by the institute, supervise MSc and PhD research, and lecture in topics of her or his area of expertise. Participation in administrative tasks and institutional committees is also expected.

Requirements:

- PhD in civil or environmental engineering (or similar) with an emphasis on hydraulics, river engineering and/or fluid mechanics
- International research reputation demonstrated through a record of high impact publications, externally funded research grants, and service in the professional community;
- Experience lecturing at the MSc level, (co-)supervision of PhD and MSc thesis research;
- Experience in valorisation of research outputs through engagement and cooperation with partners from civil society, government, and the private sector;
- Relevant professional experience in low and middle-income countries
- Excellent command of the English language and preferably one additional international language such as Spanish or French; and,
- Willingness to frequently travel and work abroad for short and medium-term assignments.

Terms of employment

The employment contract is for 1.0 FTE / 38 hours per week. A competitive salary is offered depending on qualifications and experience in accordance with the conditions of employment for Dutch Universities.

The appointment implies entry into the Netherlands' Civil Service Pension Fund (ABP). IHE Delft offers an attractive, multiple-choice employee benefits scheme, year-end bonus and generous pension scheme. We also offer 31 days leave based on a 38-hour working week. Candidates must be prepared to carry out short-term missions abroad.

Information and application

Additional information can be obtained from Graham Jewitt, (g.jewitt@un-ihe.org) or from Micha Werner (m.werner@un-ihe.org). Applications (in English) should respond specifically to the requirements and can be

sent by **16 December 2022 including** curriculum vitae, motivation letter and the names and contact details of two contactable referees (*all together as one PDF file with your family name as the filename*), to IHE Delft, attn. Human Resource Management (E: recruitment@un-ihe.org) stating vacancy-number **22-WRE-06**.

By submitting your application for this vacancy, you agree with the privacy statement below:

The personal data you share through your application file and other means will only be used by IHE Delft for the purpose of the recruitment and selection process in order to evaluate your suitability for the vacancy for which you have applied, as well as for communication purposes related to the vacancy. IHE Delft will process your personal details in accordance with the EU General Data Protection Regulation of 25 May 2018. For more information we refer you to the privacy statement of IHE Delft: <https://www.un-ihe.org/privacy-statement>

Without your prior consent or other legal basis, no information will be shared with third parties. For further questions please contact our Data Protection Officer at dpo@un-ihe.org .