



IHE Delft Institute for Water Education offers graduate education in Delft, The Netherlands, and carries out research and capacity building projects all over the world. The mission of IHE Delft is to contribute to the education and training of professionals and to build the capacity of sector organizations, knowledge centres and other institutions active in the fields of water, the environment and infrastructure in developing countries and countries in transition.

IHE Delft has a permanent staff of 180, of which 120 are scientific staff, while about 250 guest-lecturers from academia and industry contribute to the educational programme. Each year 750 participants (incl. about 200 new MSc students per year) from all over the world attend the various regular and short courses at IHE Delft. The institute has an international staff & student community with English as working language.

The **Water Science and Engineering Department** conducts research and provides post-graduate education and training to professionals in the fields of water resources assessment and control, hydraulic engineering, hydrology/hydrogeology, various fields related to aquatic ecosystems and limnology, irrigation and drainage, navigation and hydropower, port and coastal engineering, and floods, droughts and pollution. The department is organized into six scientific chair groups: 1) Hydrology and Water Resources, 2) Hydraulic Engineering – River Basin Development, 3) Land and Water Development for Food Security, 4) Coastal systems, Engineering and Port Development, 5) Aquatic Ecosystems, and 6) Flood Resilience, each headed by a professor.

The **Hydrology and Water Resources Chair Group** investigates hydrological processes supporting sustainable development and applies new knowledge in education, capacity development, and technical assistance programmes. The current focus is on catchment scale hydrological processes, ecohydrology, hydrology of peri-urban areas, and global environmental change processes. New hydrological knowledge and tools developed by the group are incorporated into the MSc Specialization in Hydrology and Water Resources, the joint MSc programme in Groundwater and Global Change, other capacity development activities, and technical assistance programmes for development partners. The Hydrology and Water Resources Chair Group has a vacancy for a

Professor of Hydrology – 1.0 FTE

We seek a senior professional with broad expertise and experience encompassing surface and subsurface hydrology applied to water resource assessment and development in the Global South.

Profile of the Successful Candidate

Research: The successful candidate may have a core research expertise in any aspect of applied surface and/or subsurface hydrology, but should also show evidence of broader knowledge spanning water quantity and quality and experimental and modelling approaches. Such a breadth of expertise is needed for effective supervision of postdoctoral researchers, PhD fellows and MSc theses of the chair group and MSc specialisations. The candidate will have a strong research profile demonstrated by a continuous record of high quality publications, experience as principle investigator of multi-institutional research programmes, and success in acquiring external funding from differing funding sources.

Education: The successful candidate will be passionate about education as demonstrated by a successful record of teaching at the MSc level and student supervision at the MSc and PhD levels in multi-cultural settings. We especially seek candidates with experience in MSc program development and management, preferably with experience in programme quality assurance and accreditation, use of innovative teaching techniques (e.g. blended and online courses), and adaptation of programmes to changing needs in the water sector. Evidence of success in acquiring fellowships and other forms of sponsorship is also an advantage.

Capacity Development: The successful candidate will have experience in projects related to institutional strengthening and development and delivery of professional trainings in developing countries. Highly valued experience will include assistance in setting up MSc degrees in partner institutions and design of tailor-made training programs for partners in government and industry.

Professional Engagement: The successful candidate will be an active member of the international water community with a network of partners in practice as well as research related to water resources. Evidence of engagement with stakeholder organisations in the design and development of research topics and activities is an advantage.

Responsibilities

The new professor will assume leadership of the Hydrology and Water Resources Chair Group, will join other professors in service on the Academic Board of the institution, and will take on other leadership roles in the department, institution, and educational programme based on need and interest.

The Hydrology and Water Resources Chair Group is composed of a senior group of scientists and educators including a professor, four associate professors, and three senior lecturers. There is also a variable number of PhD fellows, postdocs, project staff, and visiting researchers from year to year. As Head of Chair Group, the new professor will lead participatory processes to set and renew the vision and academic directions of the group and the content and teaching modalities. The professor will be expected to set an example by stimulating exciting academic ideas in line with relevant international trends in research and education. The professor will oversee the management of both the MSc Specialisation in Hydrology and Water Resources and the Joint MSc programme of Groundwater and Global Change, and lecture in topics of her or his area of expertise. The professor also carries out modest administrative tasks including preparing an annual chair group plan and budget, and conducting mid-year progress reviews and end of year assessments.

Requirements

- PhD degree in hydrology, hydrogeology, or a related field of earth sciences;
- International research reputation demonstrated through a continuous record of high impact publications, externally funded research grants, and service in the professional community;
- Experience lecturing at the MSc level, supervision of PhD and MSc thesis research, and development and management of degree programmes;
- Experience in valorisation of research outputs through engagement and cooperation with partners from civil society, government, and the private sector;
- Relevant professional experience in developing countries and countries in transition;
- 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

This position is, in principle, a permanent one, however, the first contract offered is temporary (two years), and after this period a permanent contract will be considered. The position is based in Delft, The Netherlands. A competitive salary (scale 15/16) 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).

Information and Application

Questions related to this vacancy may be directed to Prof. Michael McClain (T: +31 (0)152 151 852 or E: m.mcclain@un-ihe.org) or Deputy Head of Department, Dr. Ali Dastgheib (T: +31 (0) 152 151 845 or E: a.dastgheib@un-ihe.org).

Applications should be in English, and respond specifically to the requirements. The application, including curriculum vitae, motivation letter, statement of teaching and research interests and experiences and the names and contact details of two contactable referees, should be sent to IHE Delft, attn. Human Resource Management (E: Recruitment@un-ihe.org), PO Box 3015, 2601 DA Delft, The Netherlands, stating vacancy-number 18-WSE-01. (The application should be in one PDF file with your family name as the filename).The vacancy will remain open till **May 18th 2018**.

Reactions from staffing agencies and other 3rd parties are not appreciated