



Professor of Spatial Water Quality and Aquatic Systems

The Faculty of Geo-Information Science and Earth Observation (ITC) at University of Twente is seeking to appoint a Professor of Spatial Water Quality and Aquatic Systems to sit within the Department of Water Resources. This appointment is part of a broader investment as the Faculty are seeking to appoint a three full professors including a Professor of Infrastructuring Urban Futures and a Professor of Geo-Health as well as the Professor of Spatial Water Quality and Aquatic Systems.

The Faculty, formerly the International Institute for Geo-Information Science and Earth Observation, was embedded into the University of Twente in 2010. ITC is a leading international knowledge hub in geospatial sciences, with an emphasis on collaborative educational and research activities and development projects in geo-information science and earth observation. The aim of ITC is to provide international education and research, with a view towards building capacity and institutional development of professional and academic organisations and individuals, specifically in countries that are economically or technologically less developed. ITC offers an MSc degree in Geo-information Science and Earth Observation which is designed for young and mid-career professionals who perform, or aspire to perform, tasks predominantly in applied research.

The Department of Water Resources is a multi-disciplinary scientific department specializing in scientific research and education in earth observation and geo-information sciences for the understanding, monitoring, predicting and sustainable use and management of water resources.

The Professor will have a leading role in initiating, coordinating and executing research in quantitative earth observation of inland and coastal water systems, with a focus on spatial water quality and biogeochemical cycles and budgets. The Professor will be responsible for the development and application of novel scientific methods and approaches in quantitative earth observation of water quality (retrieval of aquatic bio-geophysical parameters – with emphasis on biogeochemical cycles and budgets). It is also expected to develop applications in integrated river basin and delta management by linking water quality to water quantity and in monitoring pollution and environmental security. In addition to world-leading research activity the Professor will be responsible, alongside the other Professors and the Chair of Department, for management of the Department. The appointee will play an active role in the teaching and supervision of MSc and PhD students and initialize and lead capacity development projects in ITC's target countries.

The appointee will hold a PhD in a field relevant to hydrology, biogeochemistry and quantitative earth observation of water quality and have a recognised international position demonstrated by a record of highly cited publications in international peer-reviewed academic journals. He/she will have an outstanding reputation in hydrology and quantitative earth observation of water quality and applications to water resources management, environmental and/or global change studies and evidence of securing external funding. Experience in hydrodynamic water quality modelling and assimilation of earth observation data is also desirable He/she will have a clear vision development of quantitative earth observation in international programs. An affinity with the education, training and capacity development related mission of ITC is a pre-requisite.

An executive search exercise is being undertaken by Perrett Laver to assist the recruitment committee. Perrett Laver may be contacted for informal enquiries and questions on Lisbeth.VanCauwenberghe@perrettlaver.com or +31 20 2404 374. Applications can be uploaded at www.perrettlaver.com/candidates, quoting reference **2667**. The closing date for applications is **7 November 2016**.

A detailed description of the job position can be found in the online brochure: <https://www.utwente.nl/en/itc/professor-of-spatial-water-quality-and-aquatic-systems/>.

University of Twente strives for diversity across its staff and therefore explicitly invites female candidates to apply.