

TENURE TRACK POSITION In the field of Radar Remote Sensing

Job specification

The faculty of Geo-Information Science and Earth Observation (ITC) of the University of Twente seeks outstanding applicants for a Tenure Track position. The applicant will develop new methodologies and new applications to exploit opportunities offered by the latest radar remote sensing platforms within the ITC research and education domain. The methodological focus will be on Synthetic Aperture Radar (SAR). You should collaborate on applications with an emphasis on the integration of radar with other sensing information, for instance optical and thermal information for earth sciences, food, water and the environment.

As major challenges in the domain is foreseen to establish innovative applications of radar information across ITC thematic domains: relating radar (SAR) data of different scales, relating radar (SAR) data with information from optical images, e.g. using assimilation, and developing and exploring the use of multiband and multi-polarization analysis methodology. Relations between radar signals and ground data are to be explored. A relevant application is the 3D (4D) modeling of deformation (e.g. earthquakes or groundwater extraction) and/or volumes (e.g. canopy or biomass) using InSAR or SAR interferometry.

The chair links with the departments of Earth Observation Science (EOS), Earth System Analysis (ESA), Natural Resources Science (NRS) and Water Resources Science (WRS). Possible links with the department of Urban and Regional Planning and Geo-Information Management (PGM) are in land subsidence and land cover classification with SAR data.

The Tenure Track position is open to highly talented candidates who hold a doctoral degree, have postdoc experience and excellent potential for a successful scientific career in the area of geo-information science and earth observation. You can start at the Assistant or Associate Professor level. We expect candidates to match their research interest with the focus of one of ITC's [research themes](#). We would like to emphasize that ITC's research themes are closely linked to the so called 'Ploumen nota' titled 'A World to Gain'. Ms Ploumen is the Dutch Minister for foreign trade and development cooperation.

Our ambition of this Tenure Track is that the candidate grows to a Full Professor (personal chair). The appointment is based on evidence of personal development rather than competitive factors.

Specific information:

- About ITC (www.itc.nl) and (<http://www.itc.nl/Pub/organisation/Our-Faculty/Whats-ITC-all-about.html>)
- ITC's Tenure Track policy (<http://www.itc.nl/pdf/organisation/tenure-track-nov-2012.pdf>)

Your profile

- You possess a PhD in one of the following fields: Earth Science, Geography, Ecology, Agriculture, Environmental Sciences, Geo-informatics, Geodesy or Computer Science with relevant expertise in Geo-information and/or radar remote sensing.
- You have demonstrated scientific creativity combined with a publishing record of acknowledged quality and a strong interest in developing cost effective solutions relevant to the large variety of problems in developing countries.
- Preferably you have proven didactic skills, supervised PhD students, experience in teaching (University Teacher Qualification certificate 'BKO' or equivalent), affinity with a multi-cultural, post-graduate education environment, and experience in international consulting and advising co-operation.
- You have a proven track in acquisition of projects and research funding, You are willing to undertake international travel.

- You have an excellent command of English. Knowledge of, or willingness to learn Dutch is an advantage.

Our offer

We offer an inspiring and challenging international environment. You will be initially employed for a period of six years (Tenure Track position, starting as Assistant Professor 2 or 1) or 3 years (starting as Associate Professor 2), according to proven expertise and skills.

- Gross monthly salary between € 3475,- and € 5861,- depending on experience and qualifications (job profile Assistant Professor level 2 or 1, job profile Associate Professor 2).
- A holiday allowance of 8% of the gross annual salary and a year-end bonus of 8.3%
- Excellent support for research and facilities for professional and personal development.
- A solid pension scheme
- Possibilities to save up holidays for sabbatical leave
- Minimum of 29 holiday days in case of full-time employment

It is up to the Dean, based on a recommendation by the Selection Committee, to decide to which of the departments at ITC the candidate will be allocated.

Information and application

For further information you may contact our HR-ITC department (hr-itc@utwente.nl) for procedural and organizational issues and Prof. Dr. Ir. A. Veldkamp, dean of the Faculty, for content issues (e-mail: a.veldkamp@utwente.nl).

Please submit your application before 1 October, 2017 (choose “apply now” below). Your application has to include (i) a motivation letter clearly stating how you meet the selection criteria and also outlining your research and teaching interests and (ii) a detailed CV with references.

A public guest lecture to the ITC-staff will be part of the selection. A development assessment could be part of the selection also.