



University of Twente
The Netherlands

Tenure-track Assistant Professorship in Nano-/Micro-Photonics

The University of Twente is located on a beautiful campus in the city of Enschede, the Netherlands. Its MESA+ Institute for Nanotechnology hosts one of the leading clean-room facilities in Europe; currently a new office / laboratory building as well as a new state-of-the-art, 1000 m² clean-room facility is constructed, which will offer its service from 2010 on. Embedded within MESA+, the Integrated Optical MicroSystems (IOMS) group presently encompasses 4 full, associate, and assistant professors, 1 secretary, 3 technicians, and 16 Ph.D. students and postdocs. Its current research focuses on rare-earth-ion-doped integrated lasers and amplifiers, micro/nano-cavities incl. photonic crystals, integrated optical sensing, and biomedical instrumentation on a chip. For further information, see <http://ioms.ewi.utwente.nl/> or contact the IOMS chair at <m.pollnau@ewi.utwente.nl>.

A tenure-track assistant professorship is available within IOMS immediately. Subject areas of interest include, but are not limited to, the investigation of rare-earth ions in nano-cavities, micro-opto-fluidics, nano-opto-mechanics, and integrated optical biomedical instrumentation. In all cases, applications of the research to optical sensing will be of interest. The successful candidate will be responsible for further developing the research field, establishing internal and external collaborations, attracting external research funding, and supervising his/her students. Teaching duties include one course valid 5 ECTS per year. Candidates must have earned a Ph.D. in Applied Physics, Electrical Engineering, Optics, or a related field. Postdoc experience is of advantage.

The salary will be in accordance with the university salary scale and will depend on the candidate's background, experience, and scientific skills and ranges between €3'065-4'970 gross per month. Furthermore, there is a holiday allowance (8%), an end-of-year bonus (8.3%), and a number of additional benefits. Subject to positive evaluation of the assistant professor, the position will be upgraded to a tenured associate professorship after six years.

The University of Twente is dedicated to increasing the number of women working in science; priority will therefore be given to a female candidate if qualifications are otherwise comparable.

Applications including (in PDF format) curriculum vitae, list of publications, a maximum of three important publications, a maximum of two pages stating current and future research interests, and the names of at least three referees should be sent by electronic mail to the attention of the IOMS chair, Prof. Markus Pollnau at <applications@ewi.utwente.nl>. Evaluation of applications will commence on November 9, 2009 and will continue until the position is filled.

Vacancy number 09/180.