

The Department of Earth Observation Science (EOS) of the Faculty of Geo-Information Science and Earth Observation (ITC), University of Twente in Enschede, the Netherlands, has a vacant two-year full-time position for a

## POSTDOCTORAL RESEARCHER F/M "INDOOR LASER SCANNING SYSTEM"

### RESEARCH TASKS

A system for indoor mapping based on three 2D laser scanners and a six degree-of-freedom SLAM procedure has been proposed recently ([article](#)). The task of the postdoctoral researcher is to optimise the design of this indoor mapping system, construct the system, analyse its performance, and suggest improvements. Design issues include the optimal configuration of the scanners, the SLAM procedure, as well as the scanner and IMU specifications. The aim is to realise a hand-held or backpack system to enable efficient acquisition of point clouds of indoor environments.

### REQUIREMENTS

We are looking for an enthusiastic and independently working researcher with a PhD degree, obtained no more than 5 years ago, in the field of robotics, laser scanning, or computer vision. A strong background in mathematics and computer programming is required. Experience with SLAM and indoor mapping is a clear advantage. Good communication skills in English are required.

### OUR OFFER

We offer an inspiring and challenging international and academic environment. The successful candidate will be employed as a University of Twente staff member for a period of 2 years, working 38 hours a week. The project will start early 2015. Salary and conditions will be in accordance with the Collective Labour Agreement (CAO) of the Dutch Universities. Gross monthly salary will range from € 2,427.- to € 3,831.- and will depend on experience and qualifications. Costs for moving to Enschede may be reimbursed.

### INFORMATION

Additional information about this position can be obtained from Professor George Vosselman (george.vosselman@utwente.nl, phone: +31 53 4874 344). You are also invited to visit our homepage: <http://www.itc.nl/>.

### APPLICATION

Please submit your application through the form on <http://www.utwente.nl/vacatures/en/> before 15 November 2014. Applications need to include contact details of three references.