

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 one full-time vacant position:

## PHD RESEARCHER (PROMOVENDUS) F/M "POSITION ESTIMATION OF MOBILE IMAGING SENSORS USING AIRBORNE IMAGERY"

The researcher will work in the project "Position estimation of mobile sensors using airborne imagery". This project is funded by the Technology Foundation STW, part of the Netherlands Organisation for Scientific Research NWO.

### RESEARCH TASKS

The objective of the research project is to develop methods to alleviate the effect GPS outage has on the precision of mobile mapping. These outages are occurring in so-called urban canyons, where the direct line-of-sight to navigation satellites is obstructed. In this project we will develop methods to use airborne oblique and nadir images as independent control and tie information to correct the trajectory estimates of mobile mapping platforms.

Leading companies from the Dutch mobile mapping industries and major end users will form a user committee and closely collaborate with the appointed researchers.

### REQUIREMENTS

The candidate must hold an MSc degree, obtained no more than 5 years ago, related to geoinformatics, with excellent expertise in photogrammetry/computer vision, and programming. Because of the involvement of companies and end users it is required that the candidate must be at ease communicating and discussing with these partners (in English). In joint meetings research results must be presented to them and next steps discussed. Some limited contributions to education in ITC courses may be required.

### 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 4 years, working 38 hours a week. Pending final budget approval by STW, the project will likely begin early 2015. Salary and conditions will be in accordance with the Collective Labour Agreement (CAO) of the Dutch Universities. Gross monthly salary depends on experience and qualifications, and ranges from €2,083.- to €2,664.- exclusive of allowances, in accordance with the job profile Promovendus, under the University System for Job Classification (UJC). 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](mailto:george.vosselman@utwente.nl), phone: +31 53 4874 344) or Dr. Markus Gerke ([m.gerke@utwente.nl](mailto:m.gerke@utwente.nl), phone: +31 53 4874 522). 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 1 December 2014.