Job title: 2 Postdoc positions in Logistics Analysis and Optimization
Fte: Each 1.0 (2 years fully-funded)
VU unit: School of Business and Economics
Vacancy number: 18036
Date of publication: 8 February 2018
Closing date: 1 March 2018

Vrije Universiteit Amsterdam is a leading, innovative and growing university that is at the heart of society and actively contributes to new developments in teaching and research. Our university has ten faculties which span a wide range of disciplines, as well as several institutes, foundations, research centres, and support services. Its campus is located in the fastest-growing economic region in the Netherlands (the Zuidas district of Amsterdam), and provides work for over 4,500 staff and scientific education for more than 23,000 students.

The School of Business and Economics (SBE) aims to combine high quality education with excellent research. The School offers four Bachelor's programmes (Economics and Business Economics, Econometrics and Operations Research, Business Administration and International Business Administration), seven Master's programmes among which the MSc in Spatial, Transport and Environmental Economics (STREEM), two research masters among which the Tinbergen Institute's MPhil programme, and seventeen postgraduate programmes. The school has several research groups with an outstanding international reputation. SBE accommodates approximately 4,300 students and 1,700 postgraduate students. Over 500 staff members are employed at the School.

VU Logistics Research Group
The logistics research group of the Vrije Universiteit Amsterdam focuses on solving real-life problems in distribution logistics, including performance analysis, distribution and transport network optimization, and supply chain coordination. On these themes, the research group has acquired national and international research grants. The group operates in a strong international research and industry network, participates in various national and international research projects and regularly organizes international conferences and workshops. Group members collaborate with leading researchers at several international universities. The research output of the group is published in leading academic journals in the field.

The SensLog project
Innovative sensors enable capturing large amounts of data about freight flows and are more and more applied in practice. To reap the benefits of sensory data, the VU Logistics Research Group has set up a project with leading industry partners Itude Mobile and ORTEC on three topics: to develop models and decision support tools for sensor placement and sensor repositioning strategies, generate predictive models for logistics operations; to improve logistics performance; and to develop suitable offline and online algorithms to reschedule/re-route logistics operations. This project is partially funded by the Dutch Institute for Advanced Logistics (Dinalog). For this project, we are looking for 2 postdoctoral colleagues to join the research group.

What do we look for?
We are looking for candidates who have a research interest in the interface between logistics, optimization and/or data mining and machine learning methods. More specifically we look for candidates who have:
• completed (or nearly completed) their PhD thesis;
• a background in computer science, applied mathematics, industrial engineering, logistics, operations research or quantitative operations management;
• publications and/or working papers in relevant domains;
• a strong interest in working on applied problems;
• a commitment to doing high quality scientific research on real-life problems and data;

• good communication skills (written and oral) and the ability to interact successfully with industry and academic partners.

What do we offer?
We offer a unique opportunity for postdoctoral researchers to work on challenging real-life problems using real-life data. The SensLog project is supported by two leading technology firms (Itude Mobile and ORTEC), with which you will interact frequently. You will get the opportunity to visit international partner universities to perform part of this research and will be able to participate in teaching to help prepare for your future academic career. The initial appointment will be for a period of two years.

The salary will be in accordance with university regulations for academic personnel, and depending on experience, range from a minimum of € 2.588 up to a maximum of € 4.084 based on full-time employment. In addition to this, we offer holiday allowance, end-of-year allowance, and other benefits. For international candidates, favorable tax benefits may apply. You can find information about our excellent fringe benefits of employment at www.workingatvu.nl

Information and application
Please see the following links for more information.
• Faculty: www.sbe.vu.nl
• Logistics research group: www.sbe.vu.nl/logistics

Other specific information can be obtained from:
• Prof. dr. W.E.H. Dullaert, e-mail: wout.dullaert@vu.nl, phone +31-20-5983627
• Dr. ir. S. Dabia, e-mail: s.dabia@vu.nl, phone: +31-20-5983227

Applications should be received by 1st of March 2018 We start inviting candidates from the application deadline onwards and the search will continue until the position has been filled with a high-quality candidate. Applicants should send a letter with their motivation, CV and list of publications to M. Maletic, Managing Director of the School of Business and Economics, by e-mail: vacature.sbe@vu.nl.

Please mention the vacancy number and position in the e-mail header.

Any other correspondence in response to this advertisement will not be dealt with.