

Scholarship for graduate school

**mobil.LAB:
Sustainable Mobility in the Metropolitan Region of Munich –
Complexities, Challenges, Perspectives**

Title of the PhD project:

**Integrated modelling of environmental effects in transportation
based on the Multi-Agent Transport Simulation MATSim**

Beginning **July 1st, 2012**, there will be one doctoral scholarship to be awarded within the framework of the Hans Böckler Foundation and the TU München's mobil.TUM doctoral programme named as 'mobil.LAB'. The scholarship will be awarded for a maximum period of three years. The task of the PhD-project is to advance methods for quantifying environmental effects in transportation and their integration into the Multi-Agent Transport Simulation MATSim (<http://www.matsim.org/>) with a focus on air pollutant emissions and dispersion modeling, greenhouse gas emissions, energy consumption.

Candidates should have a master's degree or diploma in natural or engineering sciences with special expertise in air pollutant emissions and dispersion modeling. Candidates should be interested in transportation; programming skills in Java are useful.

The scholarship is part of the Hans Böckler Foundation and the TU München's mobil.TUM doctoral programme named as 'mobil.LAB'. Awarding of the scholarship will be decided according to the guidelines of the BMBF and the selection and funding criteria of the Hans-Böckler-Stiftung after a preselection by the TUM supervisors. Applicants must demonstrate an above average final degree standing as well as social commitment within trade unions and/or in social organizations.

The application procedure consists of two steps. First please send your application documents (motivation letter, CV with information on education and professional experience, certificates) to the below address before **31 January 2012**. In case you get accepted in the first step, the application forms for the Hans Böckler Stiftung and the exposé have to be provided in the second step of the application.

Prof. Dr. Regine Gerike
TU München, mobil.TUM in the Chair of Traffic Engineering and Control
Arcisstr. 21, 80333 München

More information is available from the spokesperson of the programme, Prof. Dr. Regine Gerike.

The concept of the programme is available at:
<http://www.mobil-tum.de/de/mobillab-promotionskolleg>