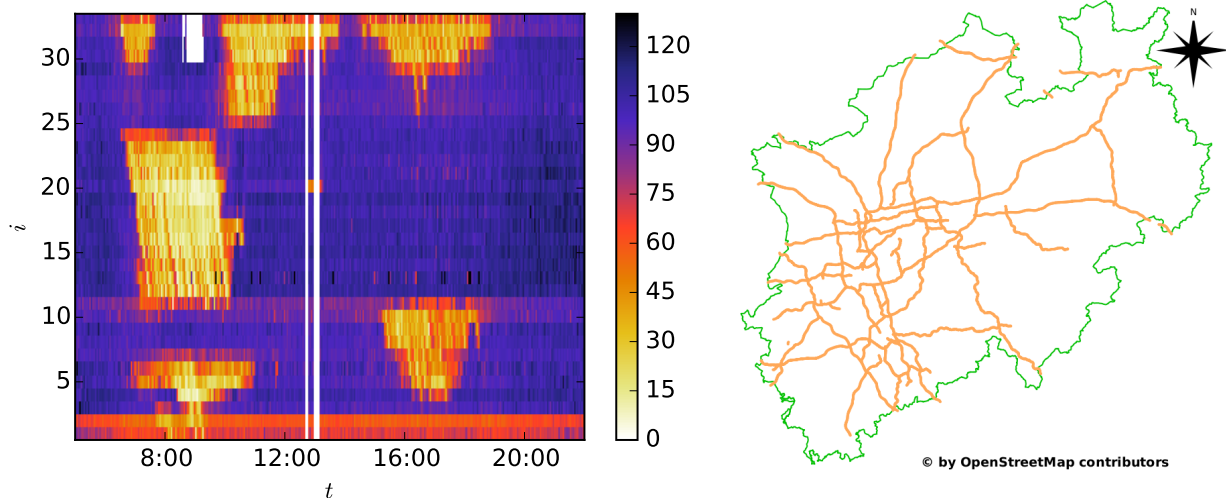


PHD POSITION IN COMPLEX SYSTEMS AND DATA ANALYSIS

Are you fascinated by interdisciplinary analyses of complex systems? — If yes, you might be interested in this position.

Complex systems with thousands of interacting participants often behave in a surprising way and can strongly react to local influences, similar to phase transitions. In this project we analyse traffic on the freeway network which strongly reacts to construction sites, major social events, weather conditions or accidents. In particular we want to investigate correlations of traffic flow in freeway networks, in a joint project with the group of Michael Schreckenberg. We will analyse large amounts of data. The project combines statistical research and the development of new methods and models based on empirical information.



We have a PhD Position (three years, 100% of a full time position) to fill. Good programming skills are helpful, but not mandatory. More important is enthusiasm for interdisciplinary work and complex systems and great interest in data analysis. You should enjoy working in a team!

Your application contains: curriculum vitae, copies of your university certificates, if applicable copies of your publications. Send your application to: Professor Thomas Guhr and Dr. Sebastian Krause, Fakultät für Physik, Universität Duisburg–Essen, Lotharstraße 1, 47048 Duisburg, Germany, or as e-mail to thomas.guhr@uni-due.de and sebastian.krause@uni-due.de

Very important: Arrange three recommendation letters, to be send directly to Thomas Guhr or Sebastian Krause, preferably by e-mail. State the names of those you asked for such a letter in the application.

We accept applications until the position is filled.

More information on www.theo.physik.uni-due.de/tp/ags/guhr_dir/index.html

Questions? — Send e-mail to thomas.guhr@uni-due.de or sebastian.krause@uni-due.de