

PHD OR POSTDOC POSITION

— COMPLEX SYSTEMS —

Are you fascinated by interdisciplinary work? — Are you interested in big data, network science and artificial intelligence?

Ever more data of complex systems of all kinds become available, making applicable the quantitative approach of physics: **Model building based on empirical information**. We have very large data sets at our disposal for the study of **financial markets, brain waves and traffic networks**. We develop new methods for data analysis as well as theoretical models to describe the dynamics in the underlying networks. Our research is strongly data driven and very **interdisciplinary**.



Rudi Schäfer



PTB



Lars Habel

We have a position either as PhD (three years) or postdoc (two years) position to fill. Background knowledge in complex systems is helpful, e.g. experience in computer supported **data analysis, artificial intelligence** and/or **network science**, but not a condition. More important is enthusiasm and verve! You should be attracted to phenomenological work and to **model building**. More advanced mathematics is usually not needed. We also welcome applications by experimentalists who wish to change their field of work.

Your application should contain: curriculum vitae, copies of your university certificates, list of publications, possibly copies of your three most relevant publications. Send your application as a single pdf via e-mail to: Professor Thomas Guhr, Fakultät für Physik, Universität Duisburg–Essen, thomas.guhr@uni-due.de **Very important:** Arrange two recommendation letters, to be send directly to Thomas Guhr, preferably by e-mail. State the names of those you asked for such a letter in your application. This announcement is valid until the position is filled.

More information on www.uni-due.de/physik/ag_guhr/index.php

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