The Boysen - TU Dresden - Research Training Group for Young Researchers from the Engineering, Social Sciences, Arts and Humanities, co-financed by the Friedrich and Elisabeth Boysen Foundation and Technische Universität Dresden, offers one

doctoral scholarship

for a period of three years starting as soon as possible.
The interdisciplinary Research Training Group Mobility in flux - Challenges and solutions for technology, environment and society consists of four Clusters https://tu-dresden.de/ing/maschinenwesen/iet/boysen/joker4/cluster.

In Cluster C “Electric mobility and autonomous driving: Perspectives for providers, users and media” the project C1: Moving Mobility into the 22nd century: development of mobility scenarios and integration of electric vehicles in the electricity system in the discipline Business Management is advertised.

Within the scope of this project, scenarios for the use of future mobility will be developed. The complex and multi-layered relationships should be considered in interdisciplinary cooperation during scenario creation. By including different framework conditions (technical, social, economic, ecological, political, etc.), the basis for further work in Cluster C can be laid. The aim of this project is the use of these scenarios to investigate different mobility concepts as well as user requirements and charging strategies in the use of electric vehicles and their effects on the electricity infrastructure. These scenarios serve as a basis for the work in this and other subprojects of the cluster. Building on the scenarios, this subproject deals with the possible contribution of electric vehicles to the system integration of renewable energies and to greenhouse gas reductions. For this purpose, the effects on the distribution networks and the role of controlled charging are analyzed by way of examples. Based on these analyses, recommendations for adapting the regulatory framework are to be derived.

If you have any questions, please contact Prof. Dr. rer. pol. Dominik Möst: dominik.moest@tu-dresden.de.

Applicants are expected to have an outstanding university degree and a high level of willingness for interdisciplinary work and research. Common premises will be provided. The receipt of the scholarship obliges the student to be present at the Research Trainings Group's premises on three fixed core days per week. Participation in the Research Training Group’s teaching programme is obligatory. Training and qualification opportunities are offered (e.g. project management, soft skills, language courses).

Applications from women are particularly welcome. The same applies to people with disabilities. Your application must include a letter of motivation, a CV, copies of academic certificates or other relevant qualifications (language certificates, further education). In addition, a text sample of max. 10 pages must be added (essay, graduation thesis, publication). Please send your application by April 9th, 2019 (stamped arrival date of the university central mail service applies) with the subject "Boysen - TUD Dresden – Research Training Group" preferably as an E-Mail via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de as a single pdf file to
dominik.moest@tu-dresden.de or to TU Dresden, Fakultät Wirtschaftswissenschaften, Professur für Betriebswirtschaftslehre, insbesondere Energiewirtschaft, Herrn Prof. Dr. rer. pol. Dominik Möst, Helmholtzstr. 10, 01069 Dresden. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: https://tu-dresden.de/karriere/datenschutzhinweis