



The DBFZ focuses on technical, economic and ecological research in the field of energetic and integrated material use of renewable resources in the bioeconomy. To enhance our team we are looking for an

Research associate / PhD candidate (m/f/d) Process control of biogas plants

In order to develop future-oriented operating concepts for existing biogas plants, a „Junior research group focusing on model-based monitoring and process control of biogas plants“ will implement, evaluate and further refine practical model structures and control procedures with regard to their specific application for process automation in industrial plant operation.

YOUR TASKS:

- System analysis and theoretical evaluation of established process models for direct application in automation concepts for industrial biogas plants
- Development of robust and adaptive methods for model-based monitoring and process control of biogas plants
- Design, supervision and evaluation of laboratory experiments as well as assessment of available process data on industrial biogas plants
- Publications in scientific journals and presentations at national and international conferences.

YOU HAVE:

- An excellent university degree in the field of (bio)systems engineering, cybernetics, control engineering, automation engineering or comparable disciplines
- Good basic knowledge of identification and control of dynamical systems
- A confident use of Matlab and Simulink or comparable software or programming languages
- Good English skills as well as a precise and concise writing and presentation style in German and English

WE OFFER:

- Independent and diverse tasks with a wide range of advanced training and qualification opportunities
- Extensive and modern laboratory equipment and pilot plants
- An experienced and motivated team in a modern and collegial working environment
- A remuneration according to TVÖD (Bund) EG 13, including the social benefits of the public service

The position is conceived with 75% working time and is limited to a term of 3 years.

Please submit your compelling application (in a single attachment, preferably as pdf, max. 5 MB).

Reference number: 321020201
Application Deadline: 25.11.2020
E-Mail: bewerbung@dbfz.de

For an encrypted transmission of your application, you can use the upload form Cryptshare.

www.dbfz.de/stellen

Contact:
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The DBFZ seeks to increase the proportion of women in its staff and therefore strongly encourages qualified female scientists to apply.

Severely disabled persons are given preferential consideration if they are equally qualified. However, special consideration of severely disabled applicants or applicants with equivalent abilities can only be given if appropriate proof is enclosed with the application.

Travel expenses incurred by the applicant (m/f/d) during an interview, can only be refunded according to the "Regelung über den Reisekostenzuschuss für Vorstellungsreisen für das Bundesministerium des Inneren und den Geschäftsbereich BMI" (Z11-30201/2#1).

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