

ADVERTISING

Positions in Control theory

**Institute of Automation, University of Rostock
School of Computer Science and Electrical Engineering**

Two part-time appointments are available for high qualified researchers in the field of control theory to belabour the subject

Development of frequency methods for analysis and design of linear continuous periodic systems with delay by unifying the concepts of parametric transfer matrices and the calculus of Fredholm integral equations of the second kind

within a project supported by the Deutsche Forschungsgemeinschaft (DFG), the German Science Foundation. The engagement is for 30 month, where a 60% position is planned for the theoretical part, and 40% for the practical part.

It is essential that the applicants for both parts have

- A master degree or PhD in Electrical or Mechanical Engineering
- Excellent mathematical education, in particular knowledge on differential- and integral equations, functional analysis, optimization theory
- Deep knowledge in control theory, especially analysis and design of MIMO systems and periodic systems, systems with pure delay, parametric transfer matrices
- Knowledge of German language, Reading of literature in English

In addition for the practical part, the applicant needs experience in

- Derivation of algorithms and their numerical implementation
- Development of software tools on basis of Matlab/Simulink.

The successful applicants will be selected on the basis of the quality of their submission, possibly completed by personal introductions. Qualified researchers can apply for both positions.

Details of the project can be found on

http://www.uni-rostock.de/uploads/media/D64-13.ief-lampe24_01.pdf and
http://www.uni-rostock.de/uploads/media/D65-13.ief-lampe16_01.pdf

The termination of the employment is according to § 2 (2) WissZeitVG.

Equal opportunity is an essential element of our personnel policy. Applications from handicapped or equated applicants are welcomed. The University of Rostock tries to raise the employment of woman in science and lecturing and asked specifically qualified female scientists to apply. Applications from foreign scientists and people with migration background are welcomed.

We are looking forward to your application. Please send your application with the job advertisement number to

Frau J. Richter, Personaldezernat, University of Rostock, D-18051 Rostock, Germany
Application deadline **16.04.2013**.

If you apply by post please send only copies of your certificates and a self-addressed envelope with stamps, otherwise we cannot send your application back.

Applications by Email only in pdf-format to dezernat.personal@uni-rostock.de.

Please note that application and travel costs are not reimbursed by the Land of Mecklenburg-Vorpommern.

For informal enquires of the project, please contact

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