



JOB ANNOUNCEMENT

Research Group Mechanics of Adaptive Systems

announces the available post for a

RESEARCH ASSISTANT

with ca. 39,83 hours per week, employment duration 36 months.

Requirements:

- Excellent university degree (master or diploma) in Mechanical Engineering or similar fields of engineering; above-average grades during studies;
- Preferred focus of expertise: smart materials and structures; control theory and active systems; applied mechanics; adaptronics; computational methods, simulation techniques;
- very good knowledge of English language.

Tasks:

- research and teaching in the field of Mechanics of Adaptive Systems;
- research and development of active structures and systems (smart structures), especially under implementation of piezoelectric materials; controller design;
- modeling using finite element method; simulation;
- structural damage identification, health monitoring and active control.

Payment in accordance with a limited working contract over three years according to TV-L, E13. Participation in teaching with four hours per week. Opportunity for a Ph.D. degree is given.

Interested candidates should send their application with usual documentation (CV, Diploma, references) and certificate of grades (syllabus) within a **single PDF file** per-mail to Prof. Dr.-Ing. Tamara Nestorović:

mas@rub.de

Deadline: 01.08.2016

Required qualifications:

- over-average University degree (master or diploma) in Engineering;
- expertise in simulation and computational engineering software (e.g. Matlab/Simulink, FEM-Abaqus);
- ability to independently carry out experimental research and evaluate the results (knowledge of signal processing is advantageous);
- programming skills;
- excellent English language skills (written and spoken);
- motivation to work within our research group self-initiative art of working, team work.