MAX-PLANCK-INSTITUT FÜR DYNAMIK KOMPLEXER TECHNISCHER SYSTEME MAGDEBURG

OTTO VON GUERICKE UNIVERSITÄT MAGDEBURG

IMPRS ProEng Magdeburg

PhD positions in Engineering and Mathematics

The International Max Planck Research School for Advanced Methods in Process and Systems Engineering (IMPRS ProEng) is a graduate school jointly run by the Max Planck Institute for Dynamics of Complex Technical Systems (MPI) and the Otto von Guericke University Magdeburg (OVGU). In our structured PhD program, talented junior scientists have the opportunity to obtain a doctorate under excellent research conditions, a multidisciplinary environment and close scientific supervision.

Through an innovative concept of combining cutting-edge mathematical and systems-oriented engineering research driven by challenging questions arising from the analysis, design and optimization of chemical and biochemical processes, the school has been bringing together students from various engineering areas, natural sciences and mathematics. We investigate problems of process and systems engineering, characterized by both high complexity and high practical relevance. For this purpose, advanced theoretical methods and tools, provided by systems theory and systems engineering, are combined closely with powerful experimental methods and techniques.

A well-balanced extensive curriculum designed to train both scientific and soft skills qualifies our students to lead the next generation of successful scientists and professionals. Furthermore, the IMPRS ProEng supports doctoral candidates in conducting part of their research at our international partner institutions.

Our working language is English and the doctoral degree is awarded by the Otto von Guericke University.

All our doctoral students receive a standard working contract (OVGU) or support contract (MPI) with payment and benefits in accordance with a public collective agreement (TVL or TVöD). Your salary is based on TVL/TVöD E13 75%.

wŜIjdzWŜYŜyúă

We are looking for students with an excellent Master Degree (or degrees equivalent to the German Diploma) in the areas of chemical engineering and bioengineering, systems and control theory and mathematics. You should have solid expertise in the area of research of the research group you apply for. Recent activities in the respective research field are highly welcomed. Fluent English is mandatory. Candidates should be highly motivated and ambitious, be able to work independently and also as team players.

The Max Planck Society and the Otto von Guericke University are committed to increasing the number of individuals with disabilities in its workforce and therefore encourages applications from such qualified individuals. Furthermore, the Max Planck Society and the Otto von Guericke University seek to increase the number of women in those scientific areas where they are underrepresented and therefore explicitly encourage women to apply.

Applications should be submitted via our online application form. Required documents are: CV, motivation letter, all your university degrees and transcripts of grades (in German or English), two reference letters and proof of English proficiency.

Further information & application:

Application deadline: November 12, 2020

https://www.mpi-magdeburg.mpg.de/1452752/application

Program jointly run by the **Max Planck Institute for Dynamics of Complex Technical Systems** and the **Otto von Guericke University Magdeburg**.