3584 6189 PhD student mechanical engineering - energy efficiency, decarbonization The need to become as independent as possible from energy imports has become clear over the past few days. Independence is only possible through a massive increase in energy efficiency and at the same time it makes an important contribution to the energy transition in Germany. We are therefore looking for engineers to develop innovative solutions for the challenges of today and tomorrow.  
 You work in scientific projects of the Institute for Energy Economics and Rationelle  
Energy Application (IER) to help achieve these goals. You will develop innovative products in a team  
Energy efficiency and decarbonization solutions for the energy intensive  
Sectors of industry and the area of ​​digital infrastructures (data centers). She  
analyze the opportunities and risks of digitization, low-CO2 combustibles and fuels  
renewable energies and sector coupling. They contribute to companies and the  
To support the university in the transformation to climate neutrality.  
You can expect exciting projects with current political reference in cooperation with  
our research partners. We look forward to applicants with enthusiasm for industrial processes,  
Energy process engineering and digitization and scientific work with the goal  
the doctorate. you have  
  
A completed master's degree in mechanical engineering, energy or  
Process engineering, chemical engineering, environmental protection technology, automation technology, electrical engineering, aerospace engineering, computer science or a comparable degree.  
Basic knowledge from studies in the field of industrial processes, energy production and application and digital technologies is desirable  
High level of self-motivation and independence  
Resilience and quick learner  
Strong verbal and written communication skills (German and English) are mandatory.  
  
You recognize and look for challenges and develop suitable solutions. One  
Structured and goal-oriented and independent way of working creates the basis for  
your success.  
You are actively shaping the restructuring of industry to achieve the climate goals in 2045  
You develop innovative solutions and drive strategic developments  
You will work in a motivated and collegial team.  
You grow with your tasks and gain further qualifications through a doctorate  
You will be familiarized with the field of work by experienced colleagues  
  
The position is to be filled immediately. The position is assigned to the "Efficient use of energy" department. The position is initially limited to 3 years, with the possibility of extension. The hiring takes place in the salary group TVL-E13.  
Please send your complete application in German together with your earliest starting date by March 19, 2023 in the form of a single PDF file to peter.radgen@ier.uni-stuttgart.de.  
Applications without a cover letter and CV in German cannot be considered.  
Handicapped applicants will be given preference if equally qualified.  
The University of Stuttgart would like to increase the proportion of women in the academic field and is therefore particularly interested in applications from women. chemist None 2023-03-07 15:57:54.130000