

Position Available

Design the photovoltaic technology of tomorrow in a young and highly motivated team.

The **International Solar Energy Research Center Konstanz** is a non-profit photovoltaics research institute founded in 2005 and currently with around 50 employees. We are a experienced team of scientists and engineers which emerged from the photovoltaics group at the University of Konstanz. We run state-of-the-art process and characterization equipment and in national and international research projects we cooperate with other leading institutes and companies throughout the photovoltaics industry. You can find more information at www.isc-konstanz.de.

At the earliest possible date a six month full-time **Master position** is available with us in the area of

Physics, process engineering or comparable fields of study m/f/d

You will be part of a team of scientists working within the framework of a publically funded project on the development of a prototype machine for the automated and high-precision realisation of advanced solar cell interconnection concepts.

The main focus of your work and therefore the subject of your Master thesis will be to evaluate laser-based processes for dividing solar cells, whereby the cutting edge that is created is electrically passivated during the process. You will be introduced to the operation of different laser systems in order to be able to examine the processes to be evaluated with a wide range of parameters. The aim is to identify a method that is best suited for transfer to industry. As part of the experiments, in addition to the laser parameters, the material used for edge passivation and its application are varied.

Your ability to work well in teams as well as an independent and goal-oriented approach are among your greatest strengths. You are also characterized by a high degree of flexibility and commitment, and you work well under pressure.

Ideally you are studying physic, process engineering, laser engineering or similar and can demonstrate experience in solar cell characterization methods. Written and spoken German and English language skills are a prerequisite.

Please send us your application with the usual documents, preferably by email to:

ISC Konstanz e.V., Rudolf-Diesel-Straße 15, 78467 Konstanz or petra.hoffmann@isc-konstanz.de.

For further enquiries please contact Mr. Dominik Rudolph by email at dominik.rudolph@isc-konstanz.de or phone 07531 – 36183 – 54.