



New PhD scholarship

in the framework of the **EU-project SHINE**

The European PhD network SolNet offers another PhD scholarship in the framework of the EU research training project SHINE. The European project started in October 2013.

A new PhD position is available for a duration of approx. 1.5 years within the SHINE project at the research partner SWT, Stuttgart, Germany. A prolongation of the PhD position beyond the SHINE project is in principle possible.

About SWT

SWT (Solar- und Wärmetechnik Stuttgart / Solar- and Heat Technology Stuttgart) was founded in 2002 as the commercial branch of the Institute of Thermodynamics and Thermal Engineering (ITW) at the University of Stuttgart. SWT is one of Europe's leading service providers in the field of solar thermal energy. The main activities of SWT are the operation of the TZS (Research and Testing Centre for Solar Thermal Systems), training activities, consultancy services as well as the development and construction of test facilities for solar thermal systems and components and the implementation of solar research and test labs around the globe. Furthermore SWT is active in research and development projects related to solar energy supply of single houses and complete living areas as well as advanced energy storage technologies. SWT is an enterprise within the Steinbeis network.

About SolNet

SolNet is an international PhD education program and network on Solar Thermal Engineering. It is coordinated by the Institute of Thermal Engineering at Kassel University, Germany. SolNet provides the opportunity for manifold networking activities between PhD and Master students in the solar thermal field. The networking activities started in 2006 with a Marie-Curie scholarship program on "Advanced solar heating and cooling in buildings" with ten PhD scholarships during 2006-2010. In 2011 and 2012 two SolNet courses took place supported by the German industry federations BSW and BdH. A second scholarship-program with a focus on large solar heating systems and sorption stores started in October 2013 with 13 PhD scholarships. For more information about SolNet please visit: www.solar.uni-kassel.de/solnet.

Eligibility Criteria

The PhD scholarship is available solely for **EARLY STAGE RESEARCHERS**.

1.) Conditions on Research Experience

The EU project is aimed at researchers in both the public and private sector. In all cases participating researchers must be of at least post-graduate level. Applicants must be in the first four years (full-time equivalent) of their research careers and not yet have been awarded a doctoral degree.

This is measured from the date when they obtained the degree which would formally entitle them to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the research training is provided, irrespective of whether or not a doctorate is envisaged.

The job vacant at SWT is related to adsorption processes which are highly attractive for solar heating and cooling applications. The main aim of this PhD position is the numerical modeling the closed adsorption process to achieve a better understanding of the heat and mass transfer in a closed adsorption systems for thermal energy storage and cooling applications. Therefore high quality simulation tools are available. In combination with an existing test rig for closed adsorption systems detailed experiments shall be carried out to validate the numerical models.

2.) Conditions on Mobility

Researchers can be of any nationality. They are required to undertake trans-national mobility (i.e. move from one country to another) when taking up their appointment.

At the time of recruitment by the host organisation, researchers must not have resided or carried out their main activity (work, studies, etc) in the country of their host organisation for more than 12 months in the 3 years immediately prior to the reference date.

Application

Please find the application form [here](#).

Contact for further questions:

Dr. Harald Drück
SWT
Pfaffenwaldring 6, 70550 Stuttgart

Tel: +49 (0)711 685 63553
E-Mail: druock@swt-stuttgart.de
Internet: <http://www.swt-technologie.de/>