



University of Applied Sciences Northwestern Switzerland
School of Engineering



The University of Applied Sciences and Arts Northwestern Switzerland includes nine schools. We are looking for you to join the School of Engineering, Institute of Polymer Engineering, in Windisch, Switzerland, at the earliest possible date:

Scientific Assistant / PostDoc (m/f)

Fracture toughness of high performance composite materials

Your tasks: The main objective of this position is to improve the fracture toughness of high performance composite materials. You are expected to plan and implement manufacturing and processing experiments with carbon fibre thermoset prepreps and characterise their fracture properties. Furthermore, you will plan respective processing equipment and thoroughly investigate fracture mechanics of composites. This also includes the development of according numerical analyses and simulations. Next to project management tasks you are also going to be involved in the supervision of students' projects.

Your profile: You have an excellent Master's degree or PhD in mechanical engineering or materials science as well as practical experience in processing and fracture mechanics of composite materials and polymers. Solid know-how in CAD, LabVIEW/MATLAB and/or in numeric simulation tools like Abaqus or ANSYS is advantageous. Furthermore, you have an excellent command of German and English. You are highly motivated to work in an interesting, scientific environment. You have an independent work method and the ability to work in a team. FHNW strongly encourages applications by women.

Please send us your application before 30 October 2014 online via the respective announcement on www.fhnw.ch/offene-stellen to Alberto Tagliatti, HR Officer. For further information please contact Prof. Clemens Dransfeld, Head of Institute, P +41 76 395 86 50.

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