Materials scientist (f / m / d) or physicist (f / m / d)

Job description
In an interdisciplinary team, within the 3D Matter Made to Order (3DMM2O) excellence cluster, you will research the applicability of printable functional materials on pre-structured substrates. Thereby, the wetting behavior of the deposited materials will be studied, as well as the interface quality between various materials. The interfaces are evaluated by the means of resistance measurements and SEM images. With the gained knowledge, design strategies for printed resistor arrays will be developed. These resistor arrays are used to process sensor data in various fields, such as biology or wearables. With other PhD students or postdoctoral researchers, an electronic design flow for fabricating read out systems will be developed. The possibility to pursue a Doctorate (PhD) degree exists.

Qualification
The applicant should hold a university degree (Diploma / Masters) in materials science. We expect experimental knowledge in the development of functional inks and printing technologies, with the aim to print functional materials on flexible and solid substrates. Interest and the ability to collaborate across various research disciplines are required.

Salary
Salary category 13, depending on the fulfillment of professional and personal requirements.

Institute
Institute of Nanotechnology (INT)

Starting Date
01.03.2020

Contract duration
Limited for 3 years

Contact person in line-management
Prof. Dr. Jasmin Aghassi, Tel. +49 721 608-28318, email: jasmin.aghassi@kit.edu

Application
Please send you application including resume and university transcripts via email to: jasmin.aghassi@kit.edu
KIT is an equal opportunity employer. Women are especially encouraged to apply. Applicants with disabilities will be preferentially considered if equally qualified.