

The Institute of Software and Multimedia Technology, Chair of Software Technology in the context of the EU ECSEL Joint Undertaking **IoSense** offers as of 1st January 2018 a position as

Research Associated /PhD Student

(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

Research area: **IoT Platforms for Sensor Integration**

Terms: The Position is limited to 30.04.2019

The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz – WissZeitVG). The position offers the chance to obtain further academic qualification (e.g. PhD).

Position and Requirements:

Within the EU ECSEL IoSense project, the Chair of Software Technology develops a software toolbox for sensor integration that is used to integrate sensor into IoT systems dynamically (e.g., via Plug and Play) and adaptively to enable companies to build better service solutions. This will extend their value chain and enable new business models. Your task is to design and develop a cyber-physical system for enabling IoT.

Research and publication activities are expressly desired and will be supported accordingly. A good university degree (Master of Science/Diplom or equivalent) in computer science, or a relevant area is required.

Necessary qualifications include profound knowledge concerning the theory and application of software frameworks, programming knowledge in Java, excellent knowledge of model-driven software engineering, software architecture, and component-based software systems (e.g., OSGI).

We expect a target- and solution-driven work attitude, inter- and multidisciplinary thinking, and an integrative and cooperative personality with excellent communication and social skills.

Women are specifically invited to apply. The same applies to people with disabilities.

Application Procedure:

Your application (in English or German language) should include: motivation letter, CV, copy of degree certificate, transcript of grades (i.e. the official list of coursework including your grades). Complete applications must be submitted **until 08.12.2018** preferably via email by sending a single pdf document with the subject **Application IoSense IoT** to uwe.assmann@tu-dresden.de or alternatively by mail to: **TU Dresden, Professur Softwaretechnologie, Herrn Prof. Uwe Aßmann, 01062 Dresden** (stamped arrival date of the university central mail service applies). Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

About IoSense:

The EU has set the stage to empower semiconductor manufacturing in Europe being one of the key drivers for innovation and employment and creator for answers to the challenges of the modern society. Aim of IoSense is to boost the European competitiveness of ECS industries by increasing the pilot production capacity and improving Time-to-Market for innovative microelectronics, accomplished by establishing three fully connected

semiconductor pilot lines in Europe: two 200mm frontend (Dresden, Regensburg) and one backend (Regensburg) lines networking with existing highly specialized manufacturing lines.
www.iosense.eu

About TU-Dresden:

The Technische Universität Dresden (TUD) is one of the largest “Technische Universitäten” in Germany and one of the leading and most dynamic universities in Germany. As a full-curriculum university with 18 faculties in five schools it offers a broad variety of 133 disciplines and covers a wide research spectrum. Its focuses of Biomedicine, Bioengineering, Materials sciences, Information technology, Microelectronics as well as Energy and Environment are considered exemplary in Germany and throughout Europe.