



The Institute of Software and Multimedia Technology, Chair of Software Technology in the context of the EU ECSEL Joint Undertaking **IoSense** offers from now on a position as

**Research Associated / PhD Student**

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

Research area: **Lean Manufacturing and Lean Startup Methodologies**

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:**

The IoSense project consults on a novel innovation process "Customer-Centric Lean Innovation Process" (CLIP). This process is based on the Lean Manufacturing and Lean Startup methodologies. As opposed to Lean Startup, the goal of CLIP is to create lasting exploitation and innovation results by acting continuously with minimal expenditure ("lean") on feedback from customers ("customer-centric"). Your task will be to implement this process in the IoSense project. You will be in contact with leading experts in the field of sensor technology and embedded devices. The IoSense project consists of over 30 partners from industry and academia, for which you will create exploitation actions and long-lasting innovations using CLIP. By measuring the feedback of the IoSense partners, the likelihood of successful exploitation is increased. You will develop and implement Lean Ideas together with project partners for a better dissemination of project results and to enhance the value chain. To support the Lean Innovation Process, a software tool will be designed and utilized by the project partners.

Research and publication activities are expressly desired and will be supported accordingly. The required qualifications comprise a good university degree (Master of Science/Diplom or equivalent) in computer science, business informatics (Wirtschaftsinformatik), business management, or a relevant area. Excellent experience of agile software development processes, knowledge in modelling techniques and developing software with Java are helpful. Especially important are good communication and organisation skills for cooperation with our project partners, target- and solution-driven work attitude, interest in entrepreneurship, and inter- and multidisciplinary thinking.

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](mailto: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](http://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.