**Stellenausschreibung**

**Art der ausgeschriebenen Position**

☒ wissenschaftlich  ☒ Graduierte  ☒ Postdoktorand
☐ administrativ  ☐ weitere

**Zielgruppe**

☐ weitere

**Titel**  
Researcher – Industrial IoT (m/f/d)

**Zur Institution**  
Fortiss GmbH

**Zur Position**

The IIoT competence center of fortiss focuses on the development of computational and networking architectures for advanced IoT applications and use-cases in sectors such as Mobility, Smart Cities, Manufacturing, etc. Areas of interest include, but are not limited to: Edge computing, in particular decentralised edge architectures; deterministic wireless networking (e.g., Wi-Fi 6, 5G/6G, LoRa/LoRaWAN); dynamic container orchestration; information-centric networking; Integration of ML on the Edge including the “far Edge” (end-user and field-level devices).

**Aufgaben**

• Conduct pioneering and applied research with focus on computational and networking architectures for advanced IoT applications, in areas such as Edge computing; deterministic wireless and cellular networks; Edge-Cloud continuum orchestration; information-centric networking; Edge AI; 5G, SDN.

• Support ongoing national and international research project development, including software development, scientific dissemination, technology transfer.

• Participate in the supervision of students.

• Support the development of advanced training activities, e.g., Webinars, seminars, scientific workshops, scientific conferences, summer schools.

• Contribute to the overall IIoT strategy, and to the fortiss strategy.

**Anforderungsprofil**

• PhD in computer science, preferably specialization in computer architectures and networking (1-3 years of independent career).

• Good background on wireless/cellular networks. LTE but also: Wi-Fi6/7; LoRa/LoRaWAN etc.
• Good background on IoT overall (Edge/Fog networking architectures; semantic technologies, e.g., WoT; IoT communication protocols, e.g., OPC UA, MQTT, DDS, etc)
• Preferential background on ML engineering (e.g., TinyML, federated learning) within IoT environments.
• Very good publication record in top (IEEE, ACM) academic conferences and journals, area of networking architectures and protocols/IoT.
• Excellent analytical, technical, problem-solving skills.
• Ability to work both autonomously and within a research team involving different levels of researchers (senior, junior, and students).
• Excellent communication skills in English, basic German skills is a plus.

Zur Bewerbung (Fristen etc.)

• Compensation according to the regulations of the collective wage agreement of the public service of the German states (TV-L)
• A workplace in Munich-Schwabing, which is also very easy to reach by public transport.
• Close cooperation and interaction with industrial and academic leaders in the IoT and AI international domain.
• Possibility to collaborate in research and higher education through closely located universities and research institutes.
• 30 days of holidays.
• subsidies for transportation (MVV), sports and company pension scheme
• Homeoffice (1-2days)
• Opportunities for personal and professional development, such as coaching, individual training, further education opportunities.

Please submit your application with a motivational statement, a detailed CV, a current transcript of records, and a list of references that can be contacted (minimum 2 direct references). References to be contacted are a must.

https://recruitment.fortiss.org/RESEARCHER-INDUSTRIAL-IOT-MFD-de-j242.html

Kontakt

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