# Job posting

<table>
<thead>
<tr>
<th>Type of position</th>
<th>Target group</th>
</tr>
</thead>
<tbody>
<tr>
<td>☒ scientific</td>
<td>☒ graduates</td>
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<tr>
<td>☐ administrative</td>
<td>☐ post docs</td>
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<td>☐ other</td>
<td>☐ other</td>
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**Title**

**RESEARCHER – INDUSTRIAL IOT (M/F/D)**

**Institution**

Fortiss GmbH Research Institute of the Free State of Bavaria

**Position**

The research activities to be developed comprise research and development activities in the context of national and international projects focusing on IoT/Edge/network-compute; advanced training (e.g., support in the organization of international scientific workshops and conferences; development of training activities such as, researchers, students); knowledge and technology transfer (e.g., development of activities such as Webinars to industry). The focus is on the development of software-based solutions aligned with the areas of interest of the team.

**Responsibilities**

- 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.

**Requirements**

- 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.

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<tr>
<th>Application procedure (deadline etc.)</th>
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<tr>
<td>• Compensation according to the regulations of the collective wage agreement of the public service of the German states (TV-L)</td>
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<td>• A workplace in Munich-Schwabing, which is also very easy to reach by public transport.</td>
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<td>• Close cooperation and interaction with industrial and academic leaders in the IoT and AI international domain.</td>
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<td>• Possibility to collaborate in research and higher education through closely located universities and research institutes.</td>
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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.

Contact

**Dr. Rute Sofia**

More information and Applications:
[https://recruitment.fortiss.org/](https://recruitment.fortiss.org/)

Question: sofia@fortiss.org