Job description

The industrial doctorate at Infineon: Pursue a doctoral degree at a university and gain professional experience simultaneously - an ideal start for your career. Advance your research with us and profit from our vast network of doctoral candidates and the expertise of a university. Mentorship is handled by both professors and dedicated Infineon employees.

**Blockchains and distributed ledgers**

are a powerful tool for consensus finding and the decentralized management of transactions in untrusted environments.

In this **Doctoral thesis**, you have the opportunity to **work with Infineon’s renowned hardware security solutions** to **develop new privacy-friendly blockchain and distributed ledger technologies**. You will be working on privacy-friendly, biometrics-based authentication technologies as a prerequisite to secure user-centric blockchain wallets and **perform research in the context of hardware-security ICs** and their contribution to ledgers, such as more efficient and balanced blockchain mining mechanisms.

In your new role you will:

- **Explore latest blockchain and distributed ledger technologies**
- **Explore privacy-enhancing technologies** and their foundations and investigate methods for the efficient execution of such schemes on constrained devices
- **Contribute to protocol design** tasks
- **Implement components** for a privacy-friendly data management system in C/C++
- **Work in the international context of a European project** with international partners

Find here examples of **Infineon hardware security solutions** you will be working with:

- Trusted Platform Modules
- Blockchain Security 2Go starter kit

We welcome you to **join our international team of experts** and contribute to **novel blockchain solutions**.

**Start:** 01.02.2020 (or later)
**Full-time employment:** 38.5 hrs/week
**Duration:** 3 years

Profile

You are best equipped for this task if you have:

- A **master degree** in the area of **computer science or equivalent**
- Programming skills in **Python, C/C++**
- Knowledge in **cryptography** at graduate level
- Basic know-how about **secure programming**

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**At a glance**

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<th>Location</th>
<th>Graz</th>
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<tr>
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<td>300366</td>
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<tr>
<td>Start date</td>
<td>Feb 01, 2020</td>
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Apply to this position online by following the URL and entering the Job ID in our job search:

**Job Id:** 300366
**www.infineon.com/jobs**

**Contact**

**Mag.(FH) Wolfgang Simoner**
Talent Attraction Manager
- Optional: Experience with **programming for embedded systems**
- **Fluent English** is mandatory with German as a plus

This position is subject to the collective agreement for workers and employees in the electrical and electronics industry. The salary for this position is EUR 2,760,00 gross p. m. (full-time basis).

Please attach the following documents to your application:

- Motivation letter
- Your CV
- Copy of your Master degree certificate if already available, otherwise a copy of your latest study transcript