

Fraunhofer IIS - Mikroelektronische und informationstechnische Systemlösungen und Dienstleistungen



Das Fraunhofer-Institut für Integrierte Schaltungen IIS in Erlangen ist eine weltweit führende anwendungsorientierte Forschungseinrichtung für mikroelektronische und informationstechnische Systemlösungen und Dienstleistungen. Es ist heute das größte Institut der Fraunhofer-Gesellschaft. Unter anderem mit der maßgeblichen Beteiligung an der Entwicklung der Audiocodiervorgaben mp3 und MPEG AAC ist das Fraunhofer IIS weltweit bekannt geworden. In enger Kooperation mit den Auftraggebern betreiben die Wissenschaftler internationale Spitzenforschung in den Forschungsfeldern Audio und Medientechnologien, Bildsysteme, Energiemanagement, IC-Design und Entwurfsautomatisierung, Kommunikationssysteme, Lokalisierung, Medizintechnik, Sensorsysteme, Sicherheitstechnik, Versorgungsketten sowie Zerstörungsfreie Prüfung.

Postdoctoral Researcher (f/m/x)

Machine Learning for Image Based Scene Reconstruction

Stadt: Erlangen; Beginn: Frühestmöglich; Vergütung: Nach TVÖD

Aufgaben

We have an immediate opening in our »Audio and Media Technologies« division of Fraunhofer IIS in Erlangen, Germany, for a

Postdoctoral Researcher (f/m/x) – Machine Learning for Image Based Scene Reconstruction

You love finding creative solutions for tricky challenges? You are passionate about computer vision?

Then join our team to use machine learning for better scene understanding.

Your tasks are to come up with new concepts and algorithms which allow an encompassing digital representation of photographed scenes. This includes the retrieval of 3D geometry, optical material properties and illumination conditions. By means of machine learning and neuronal networks, you solve open challenges in computer vision and multi-camera systems. In collaboration with a team, you create prototype implementations, evaluate their performance and document the findings. Finally, based on identified user requirements, you optimize the systems and implementations for successful use in industry.

About us

The Fraunhofer IIS »Audio and Media Technologies« division has been making its mark on media digitalization for over 30 years, developing pioneering standards such as MP3 and AAC. Motivated by this success, we aim to address new challenges in light-field image processing for media, communication, documentation, architecture and future automotive applications.

Voraussetzungen

What we expect from you

- A scientific degree in Electronics, Computer Science, Natural Sciences, Engineering Sciences, Media Technologies, Neurosciences or a related subject
- Experience in machine learning

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- Expertise in computer vision and multi-camera algorithms
- Experience in using Python, MATLAB or C++
- Enthusiasm for scientific issues and scientific working methods
- Sound command of English for working in an international team

Unser Angebot

What you can expect from us

We offer you varied and challenging work in an enthusiastic team. You can contribute with your ideas and help design new concepts. Regular training is given, as are flexible, family-friendly work arrangements such as part-time contracts. You will have a state-of-the-art workstation in a modern, bright 2- to 3-person office.

Appointment, remuneration and social security benefits based on the public-sector collective wage agreement (TVöD).

The Fraunhofer-Gesellschaft is committed to providing equal career opportunities for men and women.

Fraunhofer is Europe's largest application-oriented research organization. Our research efforts are geared entirely to people's needs: health, security, communication, energy and the environment. As a result, the work undertaken by our researchers and developers has a significant impact on people's lives. We are creative. We shape technology. We design products. We improve methods and techniques. We open up new vistas.

Bewerbung

Intimidating? Don't worry. We are an interdisciplinary team, looking to support young career-oriented talents.

Hence, do not hesitate to join the home of MP3 and send us your application (English or German)! Please submit it (in PDF format, including cover letter, CV and references) to: Claudia Kestler-Böhm, via our career portal, quoting reference number IIS-2019-AME37.

Weitere Informationen unter <https://stellenticket.de/62121/TUD/>

Angebot sichtbar bis 10.05.2019

