We have an immediate opening in our Image Processing and Medical Engineering department in Erlangen for a **Software developer** in the area of medical image processing/endoscopy.

As a software developer in the area of endoscopic image processing and analysis, you will design and develop algorithms and systems for the real-time analysis of video-based endoscopy sequences. You will gather information from experts in this field of application in order to create the requirements. You will integrate and test the subsequent prototypes and put them into operation. You will furthermore create specifications and technical documentation for the software that you develop. In addition, you have the opportunity to create scientific publications and presentations. You will also communicate and coordinate activities with project partners and internal and external interfaces.

**Your profile**
- University degree in computer science or medical engineering
- Excellent software design, architecture, development and programming skills (C/C++, web technologies)
- Solid software development know-how related to Microsoft Windows, Visual Studio
- Know-how in the areas of image processing and analysis, as well as machine learning (libraries, ITK, OpenCV)
- Project management experience, preferably with interdisciplinary teams
- Familiarity with MS Office programs
- Excellent written and oral communications skills in German and English
- Knowledge in the area of clinical endoscopy and medical engineering is a plus

**What you can expect from us**
- The opportunity to bring your own ideas and to help create project concepts
- Involvement in diverse activities and the chance to assume responsibility within interdisciplinary teams
- An open and friendly work atmosphere
- Flexible hours and access to various services for a proper work-life balance
- Possibility of gaining a doctorate

**About us**
The Image Processing and Medical Engineering department develops medical image processing solutions with a focus on microscopy, endoscopy and surgical training systems. We carry out research and development activities for industry and the public sector. You will be part of the Biomedical group, which researches and develops processes and systems in the field of **diagnostic and interventional endoscopy** for the real-time detection of polyps, the identification and tracking of surgical instruments, as well as the development of endoscopic panorama images.

**Employment conditions**
Employment, compensation and social benefits are provided in accordance with the German civil service collective bargaining agreement (TVöD). This position is initially based on a two-year contract, either full-time or part-time. Equally-qualified applicants with severe handicaps and disabilities will be given preference. The Fraunhofer-Gesellschaft places high value on being an equal opportunity employer.

Have we piqued your interest? Then please send your application in PDF format, including a cover letter, resume and references, to Meike Hillenbrand ([personalmarketing@iis.fraunhofer.de](mailto:personalmarketing@iis.fraunhofer.de)) and reference IIS-2017-37. The application deadline is June 30, 2017.

Further information about this field of research is available at: [www.iis.fraunhofer.de/endoskopie](http://www.iis.fraunhofer.de/endoskopie)