

## **Research Assistant (m/f/d) with the possibility of a PhD in the field of image and video signal processing with machine learning**

For various research projects at the interface between image/video signal processing and machine learning, the Chair of Multimedia Communications and Signal Processing is looking for

### **Research Assistants (m/f/d)**

**(EG 13 TV-L, 100%)**

with the possibility to do a PhD.

The Chair of Multimedia Communications and Signal Processing is part of the Department of Electrical, Electronic and Communication Engineering of the Faculty of Engineering and is headed by Prof. Dr.-Ing. André Kaup. One research focus of the chair is the acquisition, transmission, and analysis of image and video signals using machine learning methods and statistical/model-based signal processing.

#### **Your tasks:**

- Independent scientific collaboration in research projects of the chair
- Exchange with cooperation partners and further development of research questions
- Conducting experiments and processing and analyzing measurement results
- Writing scientific publications and presenting research results at international conferences
- Participation in German- and English-language teaching events

#### **Your profile:**

- You have completed your studies in electrical engineering, information technology, computer science, technical mathematics or physics or a related field with above-average success
- You have a very good knowledge of digital signal processing and system theory and in one or more of the following areas
  - image/video signal processing
  - video coding
  - machine learning
- You have a very good command of English and German, both written and spoken
- You work independently and have good self-organization skills
- You have good programming skills (e.g. Python, Matlab, C/C++)
- You are aiming for a doctorate
- You are interested in working in teaching

#### **We offer:**

- A 100% position with remuneration in pay group 13 TV-L
- The cooperation in innovative research projects of the chair
- The opportunity to do a doctorate at the FAU Faculty of Technology
- A versatile, diversified and challenging position

- A modern and well-equipped workplace at the southern campus of the FAU
- A young and international team
- Modern IT and laboratory equipment
- Opportunities for continuing education and further qualification

**Contact:**

**For inquiries or applications, please contact:**

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