

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

For a research project aimed at increasing energy efficiency in video distribution systems and streaming applications, the Chair of Multimedia Communications and Signal Processing is looking for a

Research Assistant (m/f/d)

(EG 13 TV-L, 100%)

with the possibility of pursuing a doctorate.

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 teaching activities

Your profile:

- You have completed your studies in electrical engineering, information technology, computer science, technical mathematics, physics, data science or a related field with above-average success
- You have very good knowledge in the following areas
 - Signal processing
 - Data analysis
 - Modeling
 - Video coding
- You have very good written and spoken English skills
- You work independently and have good self-organization skills
- You have good programming skills (e.g. Python, Matlab, C/C++)
- You are pursuing a doctorate
- You are interested in teaching

We offer:

- A full-time position with remuneration in pay grade 13 TV-L
- Participation in innovative research projects at the chair
- The opportunity to pursue a doctorate at the Faculty of Engineering at FAU
- A varied, diverse, and challenging range of tasks
- A modern workplace on the south campus of FAU
- A young and international team
- Modern IT and laboratory equipment
- Opportunities for further training and qualification

Contact:

For inquiries or applications, please contact:

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