

PostDoctoral and Doctoral Researcher Open Positions in Artificial Intelligence, Computer Vision and Machine Learning

Computer Vision Laboratory led by [Prof.Dr. Radu Timofte](#), from the newly established [Center for Artificial Intelligence and Data Science, University of Würzburg](#), is looking for outstanding candidates to fill several postdoctoral and doctoral researcher fully-funded positions in the AI, computer vision, and machine learning fields.

Julius Maximilians University of Würzburg (JMU), founded in 1402, is one of the leading institutions of higher education in Germany and well-known on the international stage for delivering research excellence with a global impact. The University of Würzburg is proud to be the home of outstanding researchers and fourteen Nobel Prize Laureates. Würzburg is a vibrant city in Bavaria, Germany's economically strongest state and home base to many international companies. We look forward to welcoming you to the University of Würzburg!

Computer Vision Laboratory and University of Würzburg in general are an exciting environment for research, for independent thinking. Prof. Radu Timofte's team is highly international, with people from about 12 countries, and the members have already won awards at top conferences (ICCV, CVPR, ICRA, NeurIPS, ...), founded successful spinoffs, and/or collaborated with industry. Prof. Radu Timofte is [a 2022 winner of the prestigious Humboldt Professorship for Artificial Intelligence Award](#). Prof. Radu Timofte also leads the [Augmented Perception Group](#) at ETH Zurich.

Depending on the position, the successful candidate will focus on a subset of the following

Research Topics:

- deep learning
- computational photography
- domain translation
- learned image/video compression
- image/video super-resolution
- learning paradigms
- 3D
- image/video understanding
- augmented and mixed reality
- edge inference and mobile AI
- super-resolution microscopy

The tasks will involve designing, developing, and testing novel ideas and solutions in cutting-edge research, as well as coordinating and conducting data collection for their evaluation when necessary. The successful candidate will conduct research on deep learning machines and a new cluster with hundreds of GPUs.

Profile

- Master's degree in AI, computer science, electrical engineering, physics or applied mathematics/ statistics.
- Good programming skills, experience with Python / C++ and deep learning frameworks (PyTorch/TensorFlow).
- Interest, prior knowledge and experience in one or more of the following is a plus: computer vision, deep learning, machine learning, image processing, artificial intelligence.
- Enthusiasm for leading-edge research, team spirit, and capability of independent problem-solving.
- Fluent written and spoken English is a must.
- Postdoc applicants are expected to have a strong track of published research, including top, high impact, journal (such as PAMI, IJCV, TIP, NEUCOM, JMLR, CVIU) or conference (such as ICCV, CVPR, ECCV, ICRA, NeurIPS, ICLR, AAAI) papers.

Timeline

The positions are open immediately, fully funded, the salaries of the doctoral students and postdocs are competitive on the German scales TV-L E13 and E14, up to 70k euros per year, before tax.

Typically a PhD takes ~4 years to complete and a postdoc position is for at least 1 year.

The applications received by 15.07.2022 will be reviewed by 31.07.2022. Only the selected applicants will be contacted by email for interviews.

After 15.07.2022 the applications will be reviewed on a rolling basis until all positions are filled.

Application

Interested applicants should email asap their PDF documents (including full CV, motivation letter, diplomas, transcripts of records, links to master or PhD thesis, referees / recommendation letters, etc.) to Prof. Dr. Radu Timofte at

radu.timofte@uni-wuerzburg.de or radu.timofte@vision.ee.ethz.ch