For a project run jointly by Friedrich-Alexander-Universität Erlangen-Nürnberg and the University of Oxford, the project team is seeking to appoint

Postdoctoral Researcher in Computer Vision / Machine Learning (100%, E13 TV-L, starting asap)

The position is full-time and is paid at the salary level E13 TV-L, i.e. roughly between € 4,000 and 5,700 gross per month, depending on experience. The position is to be filled as soon as possible. The contract will run until 31 January 2024. Candidates in need of a German working visa can apply and if successful will be supported by the University in their working visa application.

While the post is officially located in Erlangen, support, training and supervision will be shared by FAU (Peter Uhrig in collaboration with the Pattern Recognition Lab) and Oxford (Phil Torr and his team of the Torr Vision Group).

FAU is a family-friendly employer and intends to increase the number of women in research and teaching positions and, therefore, strongly encourages female researchers to apply. In its pursuit of academic excellence, FAU is committed to equality of opportunity and to a proactive and inclusive approach, which supports and encourages all under-represented groups, promotes an inclusive culture and values diversity. In the light of current war in Ukraine, Ukrainian nationals and others affected by it and at acute risk are also strongly encouraged to apply.

Please apply by submitting a cover letter and your CV to Dr. Peter Uhrig (peter.uhrig@fau.de) at your earliest convenience. The position remains open until filled.

Responsibilities
- Development, implementation, and application of novel computer vision and learning algorithms to identify co-speech gestures, speakers, and tools to enable easier searching and annotation by humans;
- Manage own academic research and administrative activities. This involves small scale project management, to co-ordinate multiple aspects of work to meet deadlines
- Contributing documented software to the group library;
- Writing timely reports on their research, as required;
- Publishing scholarly papers in leading journals;
- Represent the research group at both internal and external conferences/meetings/seminars;
- Helping to write further grant proposals;
- Collaborating with project team members both in Department of Engineering Science (Torr's Computer Vision research group), Faculty of Linguistics, Oxford School of Area Studies and Oxford Internet Institute (all University of Oxford);
- Carry out collaborative projects with colleagues in partner institutions, and research groups.

Selection criteria
- PhD or DPhil (or near completion of) in Computer Vision or Machine Learning or similar
- Strong publication record (commensurate with opportunities and experience) at principal machine learning or computer vision conferences (e.g. ICML, NIPS, CVPR, ECCV, ICCV, SIGGRAPH and BMVC)
- Possess sufficient specialist knowledge in computer vision to work within the established research programme

- Excellent communication skills, including the ability to write for publication, present research proposals and results, and represent the project team at meetings and research events
- Ability to work independently and manage own academic research and associated activities.

In our project *World Futures: Multimodal Viewpoint Construction by Russian International Media*, we study how words, gesture, and prosody combine in meaning making. The tasks will include but won't be limited to the following:

- Improve gesture detection and gesture recognition on our video datasets;
- Work with OpenPose and similar software in customizing it and tailoring it to the needs of our project;
- Apply and further develop supervised machine learning approaches for analysis of big video data.

See more information about the project [here.](#)