University Medicine Essen
Institute for Artificial Intelligence in Medicine

Universitätsmedizin Essen
Zentrum für virtuelle und
erweiterte Realität in der Medizin

PhD Position in Medical Mixed Reality and Medical Image Processing

full-time, starting now

We are looking for a highly motivated candidate with a background in computer graphics and vision, Augmented Reality (AR), Virtual Reality (VR) and / or medical imaging to work on interdisciplinary research projects within our XR lab: `https://xrlab.ikim.nrw/`

Responsibilities:

- Planning and execution of research in the area of medical Mixed Reality

- Development and evaluation of algorithms / tools for medical Deep Learning / Mixed Reality in cooperation with physicians from the University Hospital in Essen, Germany

- Supervision of Bachelor and Master students

- Publication of research results and authoring of a PhD thesis

Conditions of admission:

- M.Sc. degree in relevant field (CS, SE, BME, ...)

Qualifications:

- English at an advanced level (written and spoken)

- Solid programming skills (e.g. Python, C#, C++)

- Prior experience in computer graphics and vision

- High motivation, self-initiative, passion and commitment to research

- Interest in AR/VR, medical image processing and scientific working. Prior experience and knowledge are an advantage.

Contact

Please send your application including the usual material (CV, motivation letter, M.Sc. thesis or published papers, list of grades, etc.) to Prof. Dr. Dr. Jan Egger (jan.egger "@" uk-essen.de).