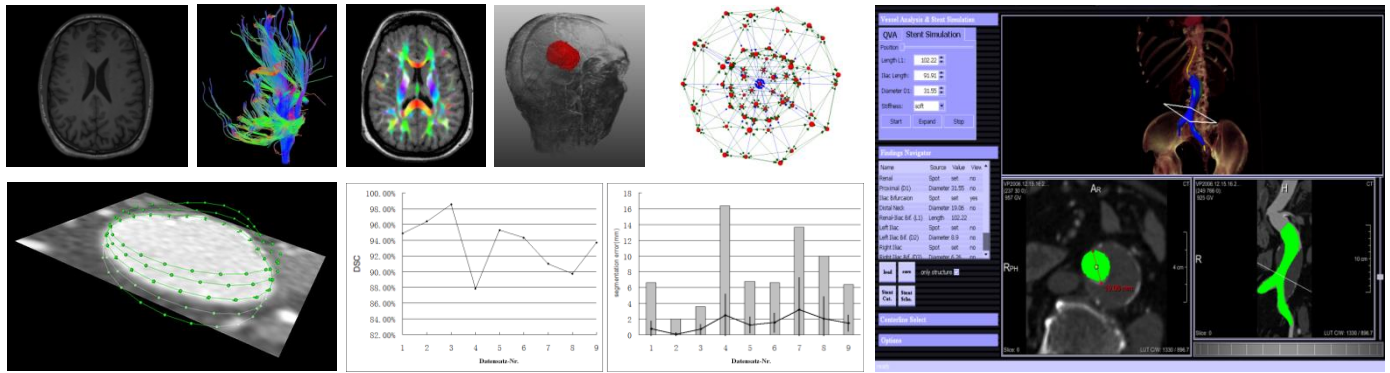


Opportunity for paid Theses (Diploma, Bachelor, Master) / Internships in Medical Image Analysis

Medical image analysis is critical in the different treatment stages of somatic diseases. Medical decisions are assisted nowadays by computers throughout diagnosis, monitoring, therapy planning, execution and follow-up examinations. The technological progress of imaging devices like Magnetic Resonance Imaging (MRI) enables constantly a more precise digital representation of the patient's anatomy. We always offer exciting interdisciplinary topics for bachelor and master students at the interface between the Essen University Hospital (**Universitätsklinikum Essen**) and the University of Duisburg-Essen (**Universität Duisburg-Essen**).



Responsibility / Tasks

- Become acquainted with a prototyping platform like MeVisLab or a Deep Learning library like TensorFlow
- Design and implementation of algorithms for (medical) image processing
- Documentation, report or thesis writing

Field of study

- Computer science, biomedical engineering, electrical engineering, physics and mathematics, ...

Skills / Languages

- Knowledge of software engineering principles including proficiency in Python or C/C++
- Knowledge in the area of image processing preferable
- Basics in medical imaging preferable

Qualifications

- Independent working
- Keen perception
- Personal initiative and reliability
- Good communication skills

Links

- <https://ait.ikim.nrw/>
- <https://autoimplant2021.grand-challenge.org/>
- www.studierfenster.at/
- <http://jianningli.me/>

Contact

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