



FRIEDRICH-ALEXANDER
UNIVERSITÄT
ERLANGEN-NÜRNBERG
TECHNISCHE FAKULTÄT



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Post Doc Job / Germany:

Post Doctorate position at the Pattern Recognition Lab, Friedrich-Alexander-University Erlangen-Nuremberg, Germany, in the field of

Sensor-based Motion Impairment Analysis

with full funding provided by the “Bavarian Science Foundation”.

Job background:

The University of Erlangen-Nuremberg is one of the largest universities in Germany. Its Digital Sports Group at the Pattern Recognition Lab develops signal processing and pattern recognition algorithms for motion and biosignal analysis. We focus on mobile data from body sensor networks that have a wide range of applications. We currently offer a Post Doctoral position in the area of sensor-based analysis of motion impairment with focus on gait disorders. The project is conducted in cooperation with a medical partner (Department of Molecular Neurology, University Hospital Erlangen) and an industrial partner (Astrum IT GmbH, Erlangen).

Detailed information on the ongoing project is available on our website, via our publications and upon request.

Requirements:

- Doctorate (or submitted dissertation).
- High motivation to work in research and development.
- Knowledge of one or several of the research areas of pattern recognition, wearable sensor systems, sensor data fusion, biomedical and biomechanical signal processing and analysis, embedded systems.
- Fluent in English, very good programming skills in C/C++/MATLAB (or similar).

Program details and contact for application/questions:

The program is only available for non-German citizens.

The start date can be flexibly defined, initial funding is available for 12 months (an extension to up to 36 months is possible based on a yearly evaluation).

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