



The Institute of Medical Engineering at the University of Luebeck (Director: Univ.-Prof. Dr. Th. M. Buzug), has an opening at the Competence Center TANDEM for an

Junior Professorship (W1) in "MR Imaging"

to be filled as soon as possible as civil servant on a temporary contract for three years with a renewal option of further three years. TANDEM (Center for Technology and Engineering in Medicine) is a new R&D center of the University of Luebeck and Luebeck University of Applied Sciences, funded by the European Union and the state Schleswig-Holstein in the area of the growth sector medical engineering.

The successful candidate is an expert in MR physics and shall represent the area of medical MR imaging in research as well as in teaching. Raising of third-party funds in this area is expected. The holder of the Junior Professorship at the Institute of Medical Engineering (www.imt.uni-luebeck.de) is expected to build up his/her own research group. Candidates must hold a university and a qualified PhD degree in physics or an equivalent discipline in science or engineering. The focus of research should lie in the area of clinic-related pulse-sequence programming. Here, the physical principles of image formation in magnetic resonance and the development of new methods with clinical relevance shall be worked on. The future Junior Professor should therefore have scientific experience in one or more of the following areas:

- Interventional MR imaging,
- MR guided HIFU,
- diffusion and perfusion imaging,
- diffusion tensor imaging,
- MR elastography.

Collaboration with the university research focus Imaging, Signal and Image Computing (ISIC) as well as the willingness to engage in interdisciplinary cooperation with clinicians and the University of Applied Sciences Luebeck is desired. Candidates should have strong teaching capabilities at the undergraduate and graduate levels and will be expected to teach in the engineering programs at the University of Luebeck. Other general tasks and prerequisites for the appointment can be found in § 64 of the University Law (HSG) of the state Schleswig-Holstein. Details are explained on request. The University of Luebeck is an equal opportunity, affirmative action employer and seeks to establish a balance between female and male employees. Therefore, priority is given to equally qualified women. Handicapped persons will be given preference to other equally qualified applicants.

Applicants should submit a CV, a description of scientific career, list of publications, copies of the most relevant publications and documentation of successful third-party funding and teaching no later than **September 5, 2010** to the

Chairman of the Senate Committee
Informatics/Technology and Natural Sciences
University of Luebeck
Ratzeburger Allee 160
23538 Luebeck

The German version of this advertisement can be found under <http://www.imt.uni-luebeck.de/index.php?id=90>