The **Institute of Mathematics and Scientific Computing** at the University of Graz is offering a

Post-Doctoral Research Position

with full-time employment and a fixed-term contract for two years.

The position is embedded in the research group on **Inverse Problems and Imaging** and is part of the FWF/CDG "Partnership in research" project on *Mathematical methods for motion-aware medical imaging*.

Professional qualifications: Doctoral degree in a mathematical branch of study. Solid knowledge in applied mathematics, with experience in one or more of the following topics: Variational image processing, continuous optimization, convex analysis, functional analysis. Programming skills and experience, e.g., in Python, MATLAB or C++. A research background covering variational regularization in the context of medical imaging is very welcome.

About the project: The project aims at developing novel mathematical methods for motion-aware tomographic imaging and transferring them into concrete applications. It is a joint research effort with biomedical engineers at the Graz University of Technology. In close collaboration with researchers in biomedical engineering, the applicant is expected to work on analytical and numerical foundations as well as with real data and applications in biomedicine. The project also aims at establishing contacts to industry and laying the foundations for a transfer of mathematical methods into commercial applications. To support the realization and evaluation of advanced variational approaches, several multi-core CPU and GPU workstations as well as a clinical 3T MR research system are available.
For details see: http://pf.fwf.ac.at/en/research-in-practice/project-finder/38573.

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Application deadline: March 31st, 2017