



POSTDOC POSITION within the FWF funded project

"Regularization Graphs for Variational Imaging"

Institute of Mathematics and Scientific Computing University of Graz

About the project: The project aims at developing a unified comprehensive analytical and numerical framework for regularization functionals in variational imaging, centered around the concept of regularization graphs. Its goal is to provide a common and rigorous mathematical basis for recent approaches as well as to pave way for novel developments in that area. A main part of the project is also devoted to carrying this concept into application, making it accessible for non-specialists and practitioners. For this purpose, a unified numerical optimization framework in form of a freely available and easily extendible software package will be developed.

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 different regularization approaches in imaging and applications in the context of inverse problems is very welcome.

Contact person and grant holder:

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Starting date: As soon as possible (contract duration: 3 years)

Application Deadline: July 31st, 2016

