

Job ID: RICAM041DOC224

The Johann Radon Institute for Computational and Applied Mathematics ([RICAM](#)) of the Austrian Academy of Sciences ([OeAW](#)), Austria's leading non-university research and science institution in Applied Mathematics, focuses on basic research in applied mathematics, and within the Institute mathematicians from all around the globe collaborate on common core areas in mathematical modeling, simulation, inverse problems and optimization. RICAM has proven to stand for excellence in research, as can be seen from a high level of publications and the popularity of the Institute's Special Semesters within the academic community. The working groups at RICAM provide a broad field of expertise over a whole range of different subjects, and together they create an exciting atmosphere to carry out research in applied mathematics. The institute is now offering a

**PHD STUDENT POSITION (F/M/X)**  
*in the Inverse Problems and Mathematical Imaging Group*  
(part-time, 30h per week)

for an initial period of one year (with possible extensions up to a maximum of four years), starting on July 01<sup>st</sup>, 2024, at the earliest.

The position is within the framework of the FWF-funded project "Photoacoustic tomography: analysis and numerics" led by Cong Shi, and is affiliated with RICAM, located in Linz, Austria.

**Your tasks:**

- The hired person will work on regularization methods for nonlinear ill-posed problems, especially on photoacoustic imaging

**Your profile:**

- Master Degree in Applied Mathematics or a closely related field is required
- Strong background in Inverse Problems
- Expert knowledge in either one of the following topics Mathematical Modeling of Imaging Systems, Mathematical Tomography, Regularization Theory, Iterative Algorithms or Optimization is preferential
- Good English skills

**Our offer:**

- Excellent opportunities to work in a lively research environment and collaborate with international experts in the fields related to the project.
- An annual gross salary of € 37.773,33, according to the collective agreement of the Austrian Academy of Sciences.

Applications with personal and scientific data and a compact statement about scientific interests and achievements should be sent by e-mail to [cong.shi@ricam.oeaw.ac.at](mailto:cong.shi@ricam.oeaw.ac.at) (mentioning Job ID: RICAM041DOC224) **no later than May 20<sup>th</sup>, 2024.**

*The Austrian Academy of Sciences (OeAW) pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity. Individuals from underrepresented groups are particularly encouraged to apply.*