

Job ID: RICAM160DOC222

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, is offering a

PHD POSITION (F*M)
in Applied Mathematics
(part-time, 30h per week)

The position is initially available for a duration of one year with the possibility of an extension for up to 5 years. Place of employment is Linz. The working languages are English and German.

The position is funded by the Christian Doppler Research Association, within the "CD laboratory for mathematical modelling and simulation of next-generation medical ultrasound devices". This project is an interdisciplinary collaboration with the University of Vienna, the Medical University of Vienna, and General Electrics (GE) healthcare. For further information on this project visit: <https://www.csc.univie.ac.at/ultrasound/>

Your tasks:

The hired person will work on the development and implementation of mathematical models and numerical algorithms for Adaptive Ultrasound Systems in medical applications, in close collaboration with both our mathematical, medical, and industrial partners.

For more information contact Prof. Ronny Ramlau at: ronny.ramlau@ricam.oeaw.ac.at

Your profile:

- Masters degree in Applied Mathematics
- Strong background in numerical mathematics and modelling
- Experience in HPC, Inverse Problems and/or Optimization
- English skills required

Our offer:

- Excellent opportunities to work in a lively research environment and collaborate with international experts as well as industrial partners in the fields related to the project.
- An annual gross salary of € 32.297,58 according to the collective agreement of the Austrian Academy of Sciences.

Please send your application documents including a personal CV and scientific data and a brief statement about scientific interests and achievements via e-mail to ronny.ramlau@ricam.oeaw.ac.at mentioning Job ID: RICAM160DOC222 **no later than December 20th, 2022.**

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.