

Job ID: RICAM122PD223

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

POSTDOC POSITION (F/M/X)
in Inverse Problems and Mathematical Imaging
(full-time, 40h per week)

for a duration of 2 years, with **February 01st**, as a starting date. For candidates with exceptional qualifications, an extension can be considered.

The position is within the framework of the FWF-funded project P: 36942-N "*Resolvent Analysis of Subwavelength Resonators*" led by Mourad Sini, and is affiliated with RICAM, located in Linz/Austria.

Your tasks:

The selected candidate will work on wave propagation in resonating media. Motivation and applications come from inverse problems in imaging, as contrast agents based imaging and therapy modalities, and mathematical aspects of material sciences, as the effective medium theory. We are looking for candidates with a solid background in spectral and scattering theory using integral equation methods and PDE-based tools.

Your profile:

- Completed a doctorate in mathematics or applied mathematics
- Strong background in fields related to PDEs, harmonic analysis and asymptotic analysis
- Strong motivation to work in mathematical research at an internationally competitive level and in publishing results in internationally refereed journals of high quality
- Strong skills of English

Our offer:

- Excellent opportunities to work in a lively research environment and collaborate with international experts in the fields related to the project
- Learning and working on topics at the cutting-edge scientific knowledge
- An annual gross salary of € 60.926,60 according to the salary scheme of the Austrian Science Fund (FWF)

Applications with personal and scientific data, a letter of motivation, and a current CV including at least two references should be sent by e-mail to mourad.sini@oeaw.ac.at (mentioning Job ID: RICAM122PD223) **until November 25th, 2023**. For further information, please contact Mourad Sini at mourad.sini@oeaw.ac.at.