

Job ID: RICAM101PD123

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

## POSTDOC POSITION (F/M/X)

(full-time, 40h per week)

in the research group “**Computational Methods for Partial Differential Equations**”. The position is offered for an initial period of one year (with possible extensions up to a maximum of six years), starting on October 1<sup>st</sup>, 2023.

The full-time position is affiliated with the research group “Computational Methods for Partial Differential Equations” (led by Prof. Herbert Egger) at RICAM, located in Linz/Austria.

The successful candidate will work on numerical methods for partial differential equations, in particular, on efficient algorithms for nonlinear and non-smooth systems arising in problems with hysteresis and for parameter identification of anisotropic material models. Applications to be addressed arise in continuum mechanics and electromagnetics. Close cooperation with the groups on optimization, inverse problems and with the SFB F90 are expected.

### Your profile:

- PhD in applied mathematics.
- Strong background in the analysis and numerical solution of nonlinear and non-smooth systems arising in continuum mechanics and electromagnetics. Finite element methods, iterative solvers for nonlinear and non-smooth systems, optimization algorithms.
- English skills are required.

### 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 € 60,926.60 according to the collective agreement of the Austrian Academy of Sciences.

We invite you to send your application (including a scientific CV, a short research statement, and references for possible recommendation letters) via e-mail to [herbert.egger@ricam.oeaw.ac.at](mailto:herbert.egger@ricam.oeaw.ac.at) (mentioning Job ID: RICAM101PD123) **no later than August 28<sup>th</sup>, 2023**. The position will be available starting from October 1<sup>st</sup>, 2023.

*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.*