

Job ID: RICAM052DOC221

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 the institute 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. RICAM is offering a

PHD STUDENT POSITION (F*M) *in Discrete Mathematics* (part-time, 30 hrs per week)

for a duration of 3 years, starting on September 1, 2021.

The position within the framework of the FWF-funded project "Sums, Products, and Growth of Sets" led by Dr. Oliver Roche-Newton is affiliated with the Symbolic Computation Group at RICAM, located in Linz/Austria.

The hired person should work on problems in the fields of Additive Combinatorics and Discrete Geometry, and related areas. Some examples of possibly relevant problems include: variations of the sum-product problem, the development and application of incidence theory, and the development of the theory of growth in various algebraic and arithmetic structures.

Your profile:

- Master degree in mathematics.
- Strong background in Discrete Mathematics and Algebra.
- English skills mandatory.

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 € 31.326,40 (before taxes) according to the salary scheme of the Austrian Science Fund ([FWF](#)).

Applications including a scientific CV, a short research statement, and references for possible recommendation letters should be sent by e-mail to o.rochenewton@gmail.com (mentioning Job ID: RICAM052DOC221) **no later than June 30, 2021.**

The Austrian Academy of Sciences (OeAW) pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity. The OeAW lays special emphasis on increasing the number of women in senior and in academic positions. Given equal qualifications, preference will be given to female applicants.

FWF

Der Wissenschaftsfonds.