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 Mathematics of Neural Networks and Neural Operators

(part-time, 30h per week)

for an initial period of one year (with possible extensions up to a maximum of four years).

The position is within the framework of the FWF-funded project ``*Neural Networks in Infinite Dimensions*'' led by Dr. Ahmed Abdeljawad, and is affiliated with the Mathematical Data Science Group at RICAM, located in Linz, Austria. The position is available from May 01st, 2026 anwords, and the working language is English.

The successful candidate will work on research at the interface of learning theory, approximation theory, and harmonic analysis, with a particular emphasis on the expressivity and complexity of neural networks and neural operators, as well as on the development of novel algorithms connecting theory with practice. For more information contact Dr. Ahmed Abdeljawad at ahmed.abdeljawad@oeaw.ac.at

Your profile:

- Master Degree in Mathematics, Applied Mathematics or a closely related field.
- A strong background in at least one of the following areas:
  - ▻ Harmonic Analysis, Approximation Theory, Machine Learning, Inverse Problems and Regularization Theory.
- Proficiency in programming with a strong preference for Python and deep learning frameworks such as PyTorch is highly desirable.
- Good 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.
- An annual gross salary of € 39.649,40 (before taxes) according to the collective agreement of the Austrian Academy of Sciences.

Applications should include a curriculum vitae, a concise statement of scientific interests and achievements, full academic transcripts (Bachelor's and Master's), and the Master's thesis (or a current draft indicating the expected defense date), and the name and email address of two references (including the master's thesis advisor, if applicable).
Interested candidates are invited to submitted their application exclusively via the online application portal. Applications will be considered until all the positions are filled.

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.

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