

Graz University of Technology

PhD position in Number Theory

We offer a PhD student position at the Institute of Analysis and Number Theory of the Graz University of Technology (TU Graz) in Graz, Austria. The position starts in September or October 2021 and is for three years (which is the standard duration of the PhD curriculum at TU Graz).

The PhD student will be jointly supervised by Prof. Christoph Aistleitner and Dr Daniel El-Baz. Please check out their respective research interests before applying. Research topics include:

- analytic number theory, exponential sums, Diophantine approximation
- ergodic theory and dynamical systems, with applications to number theory
- pseudorandomness, statistical properties of sequences of arithmetic origin.

The applicant is not necessarily supposed to have a special education on any of those topics — creativity and enthusiasm are more important. However, it is an advantage if the applicant has some background in number theory, dynamics, probability or harmonic analysis.

The applicant is expected to collaborate and interact with other members of the department. The Institute of Analysis and Number Theory currently has a relatively large number of young scientists, totalling 15 PhD students and postdoctoral researchers, so we can guarantee a stimulating and lively atmosphere.

Applicants should have (or be very close to having) a master's degree.

Please send your application by e-mail to el-baz@math.tugraz.at, including:

1. a CV
2. copies of the relevant transcripts and certificates
3. a copy of your master's thesis (if available)
4. a cover letter (letter of motivation) or description of your mathematical interests
5. two (to three) reference letters (letters of recommendation), including one from your master's thesis supervisor.

The reference letters should be sent directly to el-baz@math.tugraz.at by their authors.

The salary is 2,237 € per month (before taxes, 14 times a year).

The deadline for applications is the 31st of July, 2021.

Women and other minorities are particularly encouraged to apply.