

PhD opening

Dear prospective PhD-students,

I am looking to fill a 4-year PhD position in the Department of Mathematics at the University of Innsbruck, starting March, 2023 (or as soon thereafter).

The PhD project can be either in our core area of expertise dictionary learning, that is, the learning of representation systems (dictionaries) providing compact (sparse) descriptions for high dimensional data classes or in the area of random properties of Gabor and/or localised frames.

More information can be found on our research or publication pages.

The university position is initially for 20h/week, which increases to 30h/week once a dissertation agreement is submitted. The gross salary for 30h/week is around 2.300e/month (14 months/year).

Apart from research the position entails teaching duties of approximately 2hrs per semester and light administration duties. Research language is English but (readiness to acquire) German skills (fast) will be useful for teaching and every day life.

Application:

The official application link will be available here, with expected deadline end of January. Before official opening interested candidates with a BSc and MSc degree in mathematics (or a related field), a strong background in linear algebra, probability theory or harmonic analysis as well as experience with Matlab/Python/Julia are encouraged to preapply directly to karin.schnass@uibk.ac.at, by submitting a cv, copies of their university transcripts (BSc and MSc grades) and a short motivation letter including the contact details of 2 referees. In the online application you will additionally need to include a 2 page dissertation proposal, mentioning the preferred project – dictionary learning or (random) Gabor frames – together with a summary of recent results in dictionary learning resp. irregular Gabor frames and random subframes as well as questions you would be interested in, cp. publication pages.

Concrete questions can be mailed to karin.schnass@uibk.ac.at.

I am looking forward to your application!!

Kind regards,

Karin Schnass