FWF Der Wissenschaftsfonds

FWF START Project
Optimisation Principles, Models & Algorithms for Dictionary Learning

universität innsbruck

University of Innsbruck
Department of Mathematics

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March 1, 2019

PhD in machine learning

Dear all,

I am looking for two PhD-candidates, who are interested in doing research within the START-project *Optimisation Principles, Models & Algorithms for Dictionary Learning* at the Department of Mathematics of the University of Innsbruck.

Research

Our research into theory, algorithms and applications for dictionary learning is located at the intersection of machine learning, signal processing and mathematics. More information can be found at the project homepage.

The project is hosted by the math department and has ongoing cooperations with groups in Rennes (FR), Genova (IT), Oslo (NO) and Vienna (AT).

Working language is English but (readiness to acquire) some German skills will be useful for every day life in Innsbruck.

Offer

The position is for up to 4 years, salary about 29'500€/year gross[1] on a 30h/week basis. The starting date is at earliest convenience, ideally (to take advantage of the full 4 years) before May 31, 2019.

Qualifications

Interested candidates with a master's degree in mathematics (or a related field), a strong background in *numerical linear algebra, stochastics or harmonic analysis* as well as programming experience in Matlab (Python/C/C++) are invited to apply, by electronically submitting *in pdf format*

- a scientific cv,
- copies of university transcripts (BSc and MSc) and
- a short motivation letter including contact details of two referees

to karin.schnass@uibk.ac.at. Processing of applications is on the fly and all *complete* applications will be fully considered[2] until the positions are filled.

For any concrete questions please send an email to the address above.

Best,

Karin Schnass

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[1] gross/net salary calculator (in German)

[2] In particular this means that I will not consider (or reply to) incomplete or generic applications and that I do not appreciate additional material such as TOEFL scores.