Lehrstuhl C für Mathematik (Analysis), RWTH Aachen University
Prof. Dr. Holger Rauhut & Prof. Dr. Sjoerd Dirksen

Announcement of several doctoral and postdoc positions

We are presently looking for candidates for several **doctoral and postdoc positions** in the mathematical foundations of compressive sensing, of covariance estimation and of machine learning with neural networks.

Candidates are expected to have a strong mathematical background in one or more of the following areas: (high-dimensional) probability theory, compressive sensing, mathematical signal processing, continuous optimization, neural networks, covariance estimation, dynamical systems, approximation theory.

Candidates are expected to contribute to the teaching duties of the chair. Knowledge of the German language will not be necessary in the beginning, but candidates are expected to develop sufficient German skills for teaching during the first 2 years.

Starting date: flexible, but preferably as soon as possible.

Salary:
doctoral students: 75% of TV-L 13
postdocs: 100% of TV-L 13

A rough estimate of the salary can be found via the website

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`http://oeffentlicher-dienst.info/tv-l/west/.`

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Duration: Initial contract for 2 years, with possible extension.

Requirements:
doctoral students: Completed master degree in mathematics or equivalent degree.
postdocs: Completed doctoral degree in mathematics or equivalent degree.

Required Documents: Curriculum Vitae, publications (if any), electronic copy of master and/or doctoral thesis, certificates of academic degrees, at least one letter of recommendation and/or name and email address of a potential reference person.

Please send your application in pdf-format to `rauhut@mathc.rwth-aachen.de` and `dirksen@mathc.rwth-aachen.de` until **August 6, 2018**. Late applications will be considered until the positions are filled. Recommendation letters should be sent directly via e-mail by the reference persons. The required academic degree may still be in the process of completion at the time of application, but the candidate must hold the degree at the start of the position.

For further inquiries, please send an e-mail to `rauhut@mathc.rwth-aachen.de` or `dirksen@mathc.rwth-aachen.de`.