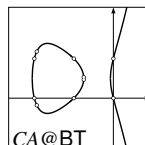


UNIVERSITÄT
BAYREUTH



CHAIR OF
COMPUTER ALGEBRA

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Bayreuth, 10/5/2017

The Chair of Computer Algebra at the University of Bayreuth invites applications for a

PhD position (E13 TV-L, 75%).

The position in Bayreuth will be granted for 18 months. It is planned that it will be followed by employment for another 18 months under the supervision of Steffen Müller at the University of Groningen. The preferred starting date is October 2017; an earlier starting date is possible.

We are looking for applicants aiming for a PhD in (Algorithmic) Arithmetic Geometry. The position is part of the research project "An explicit theory of heights for hyperelliptic Jacobians", which is funded by the German Research Foundation DFG, and does not include teaching duties. Knowledge of the German language is not required. The successful candidate is expected to work on various tasks within the project under the joint supervision of Prof. Stoll and Prof. Müller.

Application prerequisites are an academic university degree (Master or equivalent) in mathematics with a focus on and above average success in Algebraic Geometry or Number Theory and advanced knowledge of Arithmetic Geometry. Knowledge of the theory of heights, the arithmetic of hyperelliptic curves or experience using a computer algebra system (e.g. Magma, Sage or Pari/GP) for non-trivial or large-scale computations are helpful, but not required.

The University of Bayreuth seeks to increase the proportion of women involved in research and teaching and therefore particularly welcomes female applicants.

Interested candidates should submit their application, including a cv, copies of transcripts, a summary of the Master's thesis (or equivalent) and the names and email addresses of two potential referees, by **30 June 2017**, preferably by email as a single pdf-file, to Prof. Stoll at Michael.Stoll@uni-bayreuth.de. The successful candidate will be selected jointly by Prof. Müller and Prof. Stoll, who can also be contacted for further information.