



GEORG-AUGUST-UNIVERSITÄT
GÖTTINGEN

The Institute of Computer Science at the University of Göttingen is looking to fill a full (100%, 39.8 hours per week)

Research Assistant (Doctoral/PhD Student)

position within the Computer Networks group with a starting date of September 1st 2014. The contract is a fixed-term contract with a duration of three years. Payment will be made according to the regulations of the 7th Framework Programme of the European Union (FP7) within the scope of the Marie-Curie Actions for Initial Training Networks (MC-ITN).

Project Description

The PhD student will work on the project „Live data center migration across multiple data centers“ within the EU consortium „CleanSky ITN“, which aims to develop innovative ideas for the migration of applications and services within the eco system of cloud computing. In the cloud evolution process, VM migration may occur in geographically distributed data centers, which are connected via WAN links, and probably have different underlying topologies. Migration across multiple data centers will need to take account of the heterogeneity of cloud architectures and requirements, significant geographic separation and relatively low bandwidth and high latency of WAN links. Based on these considerations, new techniques for VM migration will be developed to facilitate and enable resource pooling across data centers. These techniques will be utilized to also support sources of renewable energy resources for data centers. To achieve these goals, a unique combination of academic and industry organisations collaborates in CleanSky ITN. For further information, interested applicants may consult the project webpage (<http://www.cleansky-itn.eu/>).

Applicants Profile

- Excellent scientific degree in Computer Science (Master, Diploma)
- Good knowledge of computer networks and distributed systems
- Ability and motivation to pursue high quality research, including the publication of results in renowned scientific journals
- Excellent analytical skills
- Good programming skills and knowledge of evaluation methodology
- Working experience in the field of cloud computing is an advantage
- Both written and spoken fluency of the English language

Marie-Curie Mobility Requirement

- At the time of recruitment, the applicant must not have lived in Germany for more than 12 out of the past 36 months. If fulfilling this requirement is not possible, it is recommended to apply for a position at one of the partner institutions of CleanSky ITN.

It is explicitly possible to pursue a doctoral degree within the position. The doctorate will be earned in the scope of a regulated PhD programme. Applicants should inform themselves about the programme: <http://www.uni-goettingen.de/en/111933.html>

The University of Göttingen is aiming to increase the ratio of women in those areas, where they are under-represented and explicitly invites applications from women. Severely handicapped applicants will be favoured in case of equal qualification.

Applicants shall submit the usual documents exclusively electronic manner before September 30th 2014. Applications have thus to be submitted via the project webpage, which also contains further information regarding the application process.

Questions regarding the application procedure may be directed at Prof. Dr. Xiaoming Fu (Telefon: +49 551 39-172023) or Mr. David Koll (E-Mail: recruitment@cleansky-itn.eu).