



PhD Program between the Freie Universität Berlin (FUB) and the China Scholarship Council (CSC)

Open PhD Position at Freie Universität Berlin, offered only to Chinese CSC scholarship candidates 2019

Please Note: this PhD position is only offered to Chinese PhD candidates for the application in the framework of the FUB-CSC PhD Program.

<u>Department/Institute:</u>	Mathematics and Computer Science
<u>Subject Area:</u>	Dependable Distributed Systems
<u>Name of Supervisor:</u>	Prof. Dr. Katinka Wolter
<u>Number of Open PhD Positions:</u>	2
<u>Type of the PhD Study:</u>	Full-time
<u>Project Title:</u>	Analysis and Development of Blockchain Technologies

PhD Project Description:

In this project, we investigate properties of block chain technologies, such as scalability and fairness. We study existing systems and develop stochastic models of their behavior in a certain environment.
The work can include monitoring of existing systems, building a testbed or mathematical analysis.
Students with interest in mobile networks and streaming systems are also welcome to apply.

Language Requirements:

IELTS: 6,5 / TOEFL: 95 ibt

Academic Requirements:

Candidates should have an MSc in Computer Science or Applied Mathematics or any other closely related discipline. Some programming skills are essential as are fundamentals in stochastics.

Information of the Professor or Research Group Leader:

Katinka Wolter is professor of Dependable Distributed Systems at Freie Universität Berlin. She is interested in the model-based analysis of quantitative properties in distributed systems such as streaming systems, mobile networks and block chain technologies. She has received two best paper awards, one with a CSC-PhD student and is actively involved in organizing scientific events.

Please Note: In a first step, the complete application should be submitted to the Beijing Office for evaluation by January 4th, 2019. Please do not contact the professor before. He/she will get in contact with you after having received the complete application via the Beijing Office in January.