

# Postdoc position on spintronics and electrical engineering

National Key Lab of Spintronics, Beihang University

## Job description

In the context of the talent programs of China and Hangzhou city, we are looking for candidates for permanent staff and postdocs to work on spintronic related physics, materials, devices, chips, equipment research, and cutting-edge micro nano science and technology. You will conduct your research in the National Key Lab of Spintronics, based on the Hangzhou International Campus of Beihang University.

## Your profile

- You have a PhD degree in Physics or in Electrical engineering.
- You are proficient in English.
- You are willing to exploring interdisciplinary research areas to drive innovation and tackle complex challenges.

## Our offer

- You will receive a salary of 390k RMB per year
- Superior research conditions, Access to the research facility of 8-inch Nanofabrication and Test Platform
- Housing and sports facilities in the campus on campus

## Information and application

If you are interested in this position or looking for more information, please contact Prof. Lin Xiaoyang, [XYLin@buaa.edu.cn](mailto:XYLin@buaa.edu.cn). For an application, please also include:

- A cover letter (maximum 2 pages A4), emphasizing your specific interest, qualifications, motivations to apply for this position.

- A Curriculum Vitae, including a list of past education and relevant experience, a list of publications and, if applicable, references.

## About the department

Our spintronics laboratory has been recognized as a National Key lab by the Chinese government. The lab has built an advanced and complete experimental and theoretical research platform. The lab has been successively approved as the National Key Laboratory, and also the Key Laboratory of the Ministry of Industry and Information Technology. The lab has taken the lead in the construction of the university-level intelligent micro-nano public innovation center of Beihang University, which has become an important platform for the development of interdisciplinary and first-class disciplines of the university. The lab built the first 8-inch pilot line for the processing of magnetic sensor in China. The lab has successfully independently developed magnetron sputtering with the precision of single-atomic layer. In recent years, the lab has undertaken more than 200 projects, including major projects of the National Natural Science Foundation of China and National Key R&D projects. In the past five years, the lab has published 16 papers in Nature/Science research journals, 5 papers in IEDM one of the top international conferences in the field of devices, and more than 10 ESI highly cited papers. The lab won the first prize of natural science of the Chinese Institute of Electronics and the first prize of technological invention of the China Instrument and Control Society.

## About the organisation

Beihang University was founded in 1952. Beihang University has historically been the first aerospace institution in China and is now ranked first in aerospace engineering and second in instruments science and technology worldwide. Beihang University has ranked in the recent years in the top 0.3% on average in college entrance examination scores in China. Beihang University engages more than 6100 faculty and staff member, provides education for 39000 students, including 1100 international students. Since 2004, Beihang University has won 15 national-level first prizes for its scientific and technological accomplishments, affirming its success in scientific innovation. Research funding at Beihang University has been increasing at a rapid rate annually. In terms of the amount of external research funds, Beihang University ranks as the first university in China.