

IOP/CAS (中国科学院物理研究所)

Reception in Berlin

The Institute of Physics (IOP), Chinese Academy of Sciences (CAS), will hold a reception at **Humboldt University of Berlin**, to introduce IOP and talk with local scientists and students. Supper will be provided.

Humboldt University of Berlin

Time: 6: 00 pm – 9: 00 pm, Wednesday, June 26, 2019.

Place: Room number 0'21 at IRIS Adlershof, Humboldt-Universität zu Berlin, Zum Großen Windkanal 6 12489 Berlin.

IOP is the leading research institute in China in condensed matter physics and related fields. Through 90 years of development, IOP has become a comprehensive and multi-disciplinary research organization engaged in research on basic and applied physics. Its current research activities concentrate on condensed matter physics, optical physics, atomic and molecular physics, plasma physics, soft matter physics, and condensed matter theory and computation physics. There are 12 laboratories and 8 centers in our research system together with a strong technical support system. In 2017, IOP was officially designated as the Beijing National Laboratory for Condensed Matter Physics. More Information about IOP can be found at www.iop.cas.cn.

By the end of 2018, IOP had a total of 731 staff, including 307 of scientific research, 150 of technical support, and 60 of administrative duty. IOP has 14 academicians of Chinese Academy of Sciences, and 1 academician of Chinese Academy of Engineering. Among IOP researchers, 37 obtained the National Outstanding Youth Foundation Grants. More than 70 academicians have worked in the institute. Currently, IOP has 918 graduate students (including 10 foreign students), with 619 working for a doctor's degree and 289 for a master's degree. It also has 100 post doctorate fellows.

IOP has made significant breakthroughs with global impact, such as the discoveries of copper-and iron-based high-temperature superconductors, topological insulators, the quantum anomalous Hall effect, and Weyl semimetals, among many others. IOP is very proud of its high-tech products as well—its high-quality neodymium permanent magnets, lithium-ion batteries, single-crystal silicon carbide substrates, and high-temperature superconductivity filters have all successfully entered the domestic or global markets.

Since 1978, IOP researchers have won 300+ awards, including 8 physics awards of the Third World Academy of Sciences, 1 National Top Award for Science and Technology, 30 National Awards for Natural Sciences, 24 National Awards for Science and Technology Progress, and 9 National Awards for Technological Inventions.

IOP has also undertaken or participated in the construction of some large-scale scientific facilities,

such as the Synergetic Extreme Condition User Facility (SECUF), in Huairou, Beijing, the China Spallation Neutron Source (CSNS) in Dongguan, Guangdong Province, and the Dream Line - Shanghai Synchrotron Radiation Facility in Shanghai, as well as the two interdisciplinary research centers of Center for Clean Energy and Center for Materials Genome Initiative in Huairou, Beijing.

Apart from the current ZhongGuanCun campus, which is focusing on fundamental research, IOP will soon have three more campuses opening, that is, Huairou campus (in Huairou Science City, suburban Beijing) to develop large scientific facilities and interdisciplinary research centers, Liyang campus (in Jiangsu province) to undertake science commercialization and academic exchanges, and Dongguan campus (in Guangdong province) to develop the Songshan Lake Materials Lab.

Preferred fields of research:

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| ➤ Materials science | ➤ Nanoscience |
| ➤ Condensed matter theory and computational physics | ➤ Biophysics |
| ➤ Experimental condensed matter physics | ➤ Ultracold atoms |
| ➤ Optics | ➤ Quantum information |
| ➤ Surface sciences | ➤ Research using large scientific facilities (Synergetic Extreme Condition User Facility, Beijing Synchrotron Light Source, China Spallation Neutron Source, etc.) |
| ➤ Energy materials | |
| ➤ Magnetism | |

Vacancies:

III. Full Professors and Chair Professors

1. Professor or equivalent position from a well-known overseas university or research institute.
2. Principal Investigator or key contributor to research projects with significant achievements.

IV. Tenure-Track Associate Professors -Class A

1. PhD degree with research experience from a well-known overseas university or research institute.
2. Assistant Professor or equivalent level.
3. Significant scientific achievements, extensive international influence, leadership ability.
4. Preferably under 40 years old.

V. Tenure-Track Associate Professors -Class B

1. PhD degree with research experience from a well-known overseas or domestic university or research institute.
2. Significant scientific achievements.
3. Preferably under 35 years old.

IV. Key Technologists

1. PhD degree with research experience from a well-known overseas or domestic university or research institute.
2. Significant technological achievements.
3. Preferably under 40 years old.

Benefits:

- Competitive salary
- Sufficient start-up funding
- Well-furnished apartments to rent
- Children to be enrolled into good schools in Zhongguancun

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