

**卓越した大学院「流動ダイナミクス知の融合教育研究世界拠点」  
国際インターンシップ派遣  
平成 28 年度 国際インターンシップ体験記**

派遣学生：Minjie Zhu

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研究課題：Fabrication of polyacrylamide hydrogel based triboelectric nanogenerator and synthesize large area monolayer MoS<sub>2</sub>

派遣期間：平成 28 年 9 月 01 日～平成 28 年 10 月 31 日

派遣機関：Beijing Institute of Nanoenergy and Nanosystems, Chinese Academy of Sciences

受入研究者：Prof. Weiguo Hu

It is my great honor to obtain the opportunity and the funding assistance from the Excellent Graduate Schools program office of Tohoku University for these couple months internship in the Beijing Institute of Nanoenergy and Nanosystems (BINN), Chinese Academy of Sciences.



**The Tiananmen**



**The Qianmen**



**National Stadium**

BINN is located in the center of Beijing city, the capital of China. The Chinese Academy of Sciences is the linchpin of China's drive to explore and harness high technology and the natural sciences for the benefit of China and the world. BINN has great advantages in the research field of piezotronics and piezo-phototronics and nanogenerators and hybrid nanogenerators for self-powered nanosystems.

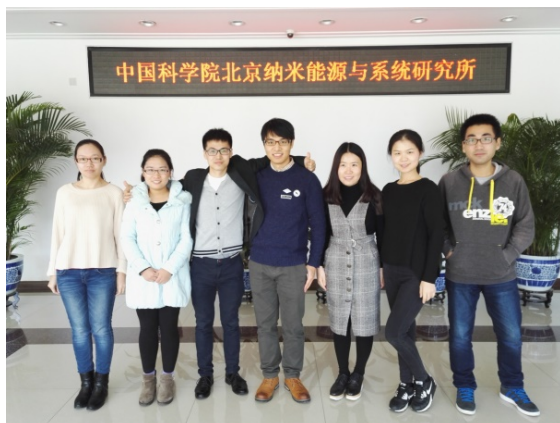
During these couple months international internship, I was involved in two programs. One of them is fabrication of a polyacrylamide hydrogel based triboelectric nanogenerator. The triboelectric nanogenerator was fabricated successfully. It can be used as a tactile sensor. Another is synthesizing large area monolayer MoS<sub>2</sub> via CVD method. My internship supervisor Prof. Weiguo Hu, who is a very kindly and experienced advisor, gave me a lot of help for living and support for research. I was very happy with everyone in Group Hu. Everyone was very kind and gave me lots of help in experiment and daily life.

The daily life in Beijing is fantastic. I can eat delicious Chinese food every day. I also visited some famous place in Beijing and met some old friends and classmates.



**BINN, CAS**

It is a great experience for everyone who has joined this program. This experience has gotten me more excited to continue in my research field for my career. I appreciate the help from this program. Finally, I also would like to thanks Prof. Takahito Ono and the members of Ono-lab for the supports so far.



**With members in BINN**



**With Prof. Hu**



**With Prof. John Rogers in Peking University**