

## **Professorship in Synchrotron Radiation and Materials Research Soochow University**

**Position:** The Soochow University-Western University Centre for Synchrotron Radiation Research (SWC) in the Institute of Functional Nano & Soft Materials (FUNSOM), Soochow University invites applications for several faculty positions in materials research, through synchrotron radiation capability development and applications. All areas of research involving a substantial interplay of materials studies and synchrotron radiation techniques will be considered with particular interest in the growth, characterization and assembly of nanostructured and low-dimensional materials, semiconductors, photonic materials, polymers, energy materials and biomaterials as well as chemical biology.

**Duties:** The successful candidates are expected to play a leadership role in designing and implementing sustainable high-profile research programs in his/her areas of research and establishing national and international networks in synchrotron radiation research. The successful candidates will have access to world-class materials fabrication and characterization facilities at FUNSOM. Through SWC, they will have access to the state-of-the-art research capabilities and collaboration with colleagues at Western University (also known as the University of Western Ontario) located in London, Ontario, Canada. They will have access to synchrotron capabilities at the Chinese synchrotrons in Shanghai, Hefei and Beijing as well as the Canadian Light Source, the Advanced Photon Source and the Advanced Light Source. The Soochow-Western Centre has implemented a 2+2 PhD program which offers a Western University PhD degree and recruits graduate students nationally and internationally.

**Qualifications:** PhD or equivalent in an appropriate field of science and engineering with technical expertise and management experience in synchrotron radiation research, a commitment to teaching and mentoring graduate students, a strong track record in and a commitment to multidisciplinary research and collaboration, and excellent communication skills. The positions are open to all qualified candidates; preference will be given to outstanding young and mid career scientists and engineers with a strong publication record and a vision.

**We offer the most competitive salary and benefit package as well as handsome start-up fund and support in China.**

Applicants should send a PDF file containing a letter of application, curriculum vitae, a research plan, a teaching statement, and three letters of recommendation to [funsom@suda.edu.cn](mailto:funsom@suda.edu.cn) (Tel: 86-512-65880820, Fax: 86-512-65880820). Review of applications will begin immediately upon receipt of complete application materials.

## **Introduction of Soochow University, FUNSOM and SWC:**

Soochow University (SUDA) is located in Suzhou, China, an ancient city popularly hailed as “Paradise on Earth” for its exceptional beautiful environment and rich culture. SUDA is a national key university under the “211 Project” and a highest-ranking provincial university in China. According to 2013 statistics, the number of high-quality research papers by SUDA on the Science Citation Index (SCI) ranked within top 20 among all universities in China’s Mainland. Please check out more information on the website <http://eng.suda.edu.cn> or <http://suzhouuniversity.com/index.php>.

FUNSOM was founded at Soochow University in June, 2008, and is led by the founding Director Prof. Shuit-Tong Lee, an academician of Chinese Academy of Sciences. FUNSOM includes the Jiangsu Key Laboratory for Carbon-Based Functional Materials & Devices. There are already 29 principal investigators (PIs), average age at 35, conducting interdisciplinary, dynamic, and innovative research in the areas of new energy, biotechnology, green environment, and informatics electronics. All PIs have research experience outside of mainland China; 2 of them are in the national “1000 Talents Scheme” and 6 in the national “1000 Youth Talents Scheme”. Since 2008 FUNSOM has published >600 papers in high-impact journals and obtained >300M RMB (~ US\$50M) in national funding (e.g. NSFC, 863, 973, etc). Information of FUNSOM and the Jiangsu Key Laboratory for Carbon-Based Functional Materials and Devices are available on the institute website at <http://funsom.suda.edu.cn>.

The Centre (SWC) was founded in November 2012 jointly by SUDA and Western University in Canada. It was established as a consortium by FUNSOM in Soochow, led by Professor S. T. Lee, and professors from the Faculties of Science and Engineering at Western University, led by Professor T.K. Sham, a Canada Research Chair and a Fellow of the Royal Society of Canada. SWC presently has 9 professors from FUNSOM and 17 from Western. The Centre aspires to become a global leader in interdisciplinary research and education in synchrotron radiation (SR); to facilitate exchange and collaborative research between the two universities; and to enhance research capability and capacity in SR and related areas by assembling a critical mass of expertise and resources. The Centre provides a multi-disciplinary platform for materials research and training of highly-qualified personnel by offering on-going support for conducting research at modern synchrotron radiation facilities. Further information can be found at <http://swc.suda.edu.cn>.