

Postdoctoral Research Opportunity at the Newest Third Generation Synchrotron- the Taiwan Photon Source

Soochow University–Western University Centre for Synchrotron Radiation Research (SWC) at Soochow University is seeking a highly motivated individual for an exciting postdoctoral fellowship at the National Synchrotron Radiation Research Center (NSRRC) in Hsinchu Taiwan. This position will offer ample opportunity to participate in the research and development of synchrotron capabilities at the Taiwan Photon Source of NSRRC and to conduct collaborative research with members of the SWC and the staff of NSRRC. The position is created to foster collaborative research between SWC and NSRRC. The successful candidate will be under the supervision of Prof. Tsun-Kong Sham and Prof. Xuhui Sun of SWC and will report to Prof. Di-jing Huang, the director of NSRRC or his designates as a regular staff member of the NSRRC.

The details on the position is given below:

Duration: Two years and extendable

Location: NSRRC, Hsinchu, Taiwan

Salary: 80,000~88,000 NTD/mon (Benefits follow postdoc's standard of NSRRC)

Duties:

- Conduct X-ray absorption spectroscopy and related studies in collaboration with Prof. Sham and Prof. Sun's group.
- Coordinate and assist SWC members to conduct SR experiments at NSRRC
- Participate in daily activities of NSRRC as deemed appropriate.
- Reporting to SWC about two reporting trips annually or as deem necessary, to SWC, Soochow University in Suzhou, Jiangsu.

Requirements:

1. PhD from physics, chemistry, materials science or engineering, preferably within last two years.
2. Synchrotron experience required, X-ray absorption spectroscopy experience and materials background highly desirable.

To apply please contact Professor X.H. Jeff Sun (xhsun@suda.edu.cn).

A brief description of SWC and NSRRC:

The Soochow University-Western University Centre (SWC or the Centre) for Synchrotron Radiation Research was officially founded in Nov 2012. The vision of the Centre is to become a global leader in interdisciplinary research and education in synchrotron radiation; to facilitate exchange and collaborative research between the two universities in synchrotron radiation research; and to enhance research capability and capacity in this and related areas by assembling a critical mass of expertise and resources. The Centre provides a multi-disciplinary platform for materials research and the training of highly qualified personnel and will provide on-going support for large-scale synchrotron radiation facilities. The inaugural director is Chemistry Professor T.K. Sham of Western University, Canada. The Centre is currently staffed by 9 faculty members from FUNSOM, Soochow University and 17 members from 7 departments and 3 faculties of Western University. The website of the Centre can be found from <http://swc.suda.edu.cn/>. SWC and NSRRC have signed an MOU to jointly promote synchrotron R and D and education.

National Synchrotron Radiation Research Center (NSRRC) is to operate a cutting-edge synchrotron radiation facility for pioneering scientific research. The light source at NSRRC was designed and constructed domestically and became operational in October of 1993. In April 1994, its beamlines were opened for service to researchers in diverse basic and applied fields. In recent years, many new research instruments have been added to the light source, turning the center into a world-class facility with state-of-the-art research capabilities in the vacuum-ultraviolet and soft X-ray energy regions. In 1998, additionally two hard X-ray beamlines were constructed at SPring-8 light source in Japan to provide researchers from Taiwan access to hard X-rays. (<http://www.nsrcc.org.tw>)