

Stanford



Jun Sik Lee

Lead Scientist, SLAC National Accelerator Laboratory

Bio

BIO

With over 15 years of both scientific and instrumentation experience at X-ray facilities, Dr. Lee's objective, as an X-ray scientist, has been to address profound questions in many emergent materials (e.g., high-Tc superconductivity, magnetism, multiferroicity, Li-ion batteries, photovoltaics, and heterostructures). Dr. Lee has used comprehensive X-ray studies via both scattering and spectroscopy approaches spanning the hard and soft X-ray regimes. At the same time, he has developed new X-ray instruments (e.g., advanced scattering and spectroscopic setups) and innovative X-ray approaches needed to address these questions.

CURRENT ROLE AT STANFORD

Dr. Lee is leading the resonant x-ray scattering program at Stanford Synchrotron Radiation Lightsource. With a focus on quantum material science, he is active in a broad range of research activities at synchrotron and free-electron laser facilities.

INSTITUTE AFFILIATIONS

- Staff Scientist, Stanford Institute for Materials and Energy Sciences

EDUCATION AND CERTIFICATIONS

- Postdoctoral Scholar, Brookhaven National Laboratory (BNL) , Experimental Condensed Matter (2008)
- Ph.D., Pohang University of Science and Technology (POSTECH) , Physics (Experimental Condensed Matter) (2006)

Professional

PROFESSIONAL INTERESTS

Dr. Lee's interest is to establish strong scientific programs, including proper instrumental developments at both synchrotron and FEL sources, which drives to cutting-edge science and recognized leadership worldwide. Additionally, he intends to promote the connection between the x-ray experiments and the most compelling scientific objectives based on the industrial requirements. Also, he tries to introduce an opportunity that ensures a positive work environment with various scientific communities.