



Jun-Sik Lee

Lead Scientist, SLAC National Accelerator Laboratory

Bio

BIO

Dr. Lee boasts over 15 years of expertise in scientific inquiry and instrumentation within X-ray facilities. Throughout Dr. Lee's career as an X-ray scientist, the primary focus has been tackling fundamental queries within a spectrum of emerging materials, including high-Tc superconductivity, magnetism, multiferroicity, Li-ion batteries, photovoltaics, and heterostructures. His extensive repertoire includes deploying comprehensive X-ray studies employing both scattering and spectroscopy techniques across both hard and soft X-ray domains. He has not only leveraged existing methodologies but has also been instrumental in developing cutting-edge X-ray instruments, including advanced scattering and spectroscopic setups. These innovations have been pivotal in providing novel approaches necessary for addressing multifaceted scientific inquiries.

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 is dedicated to forging robust scientific programs, emphasizing X-ray instrumental advancements at synchrotron and FEL sources. He aims to propel pioneering scientific endeavors and achieve recognized leadership on a global scale. Driven by a commitment to bridge x-ray experiments with the most compelling scientific objectives aligned with industrial requirements, he seeks to foster impactful connections between these domains. Furthermore, he has made a considerable effort to create an environment conducive to collaboration among diverse scientific communities, fostering opportunities that promote a positive and inclusive workspace.