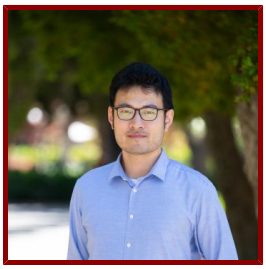
Stanford



Lingjia Shen

Staff Scientist, LCLS - Linac Coherent Light Source

Bio

BIO

Dr. Shen is a scientist at the Linac Coherent Light Source (LCLS), a leading X-ray free-electron laser (XFEL) facility. He is responsible for the flagship qRIXS instrument, which leverages high-repetition-rate XFEL pulses (up to 1 MHz) to enable high-energy-resolution, time- and momentum- resolved Resonant Inelastic X-ray Scattering (RIXS). An expert in extreme sample environments, Dr. Shen also specializes in techniques including X-ray Photon Correlation Spectroscopy (XPCS), Inelastic Neutron Scattering (INS), and muon spin relaxation/rotation (μSR). His research centers on quantum materials, with recent efforts focused on developing uniaxial strain platforms and soft X-ray nanofocusing optics.

CURRENT ROLE AT STANFORD

Scientist, Materials Science Department, Science, Research & Development, Linac Coherent Light Source

Instrument Scientist, qRIXS, Experimental Operations, Linac Coherent Light Source

EDUCATION AND CERTIFICATIONS

- PhD, University of Birmingham (2016)
- MSc, Nanjing University (2012)
- BSc, Nanjing University (2009)

LINKS

- Google Scholar: https://scholar.google.com/citations?user=wv_545kAAAAJ&hl=en