



## Lingjia Shen

Associate Scientist, SLAC National Accelerator Laboratory

### Bio

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#### BIO

Dr. Shen is a scientist at the Linac Coherent Light Source (LCLS) -- the world's most powerful X-ray free-electron laser (XFEL) facility. He is responsible for the flagship instrument qRIXS, which utilizes high repetition rate XFEL pulses up to 1,000,000 Hz to perform high-energy-resolution, time-momentum-resolved Resonant Inelastic X-ray Scattering (RIXS) experiments. Dr. Shen is an expert in extreme sample environments and soft X-ray optics. He specializes in a wide range of spectroscopies besides RIXS, including X-ray Photon Correlation Spectroscopy (XPCS), Inelastic Neutron Scattering (INS), and Muon spin relaxation/rotation ( $\mu$ SR). His research interests lie in spontaneous phase separation in solids which can arise in the presence of quantum fluctuations, competing many-body interactions, or disorder.

#### CURRENT ROLE AT STANFORD

Staff member at the Materials Science Department, Science, Research & Development, Linac Coherent Light Source

Scientist at the qRIXS instrument, 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=ww\\_545kAAAAJ&hl=en](https://scholar.google.com/citations?user=ww_545kAAAAJ&hl=en)