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Professional Experience

Research Engineer, Northwestern University	2017-present
Senior R&D Engineer, Cabot Microelectronics	2011-2016

Education

Ph.D, Mechanical Engineering, Northwestern University	2005
M.Eng. Mechanical Engineering, Nanyang Technological University, Singapore	2000

Selected Publications

Rotating lattice microstructure in solid-phase lateral epitaxial crystallization of complex oxides, R. Liu, T. Janicki, S. D. Marks, D. S. Gyan, P. Zuo, D. E. Savage, T. Zhou, Z. Cai, M. Holt, S. Butun, **S. Lu**, N. Basit, X. Hu, T. Abbott, N. Kabat, W. Li, Q. Li, K. P. Kelley, R. K. Vasudevan, J. R. Schmidt, S. E. Babcock, and P. G. Evans. APS March Meeting 2023, Las Vegas, Nevada (March 5-10, 2023)

Optical and Electronic functionality arising from the controlled defect formation in nanoscale complex oxide lateral epitaxy (**Submitted 2023**) R. Liua , T. D. Janickib , S. I. D. Marksa , D. Sri Gyana , P. Zuo, D. E. S. , T. Zhouc , Z. Caid , M. Holtc , S. Butune , S. Lue , N. Basit, X. Huf, g. T. Abbottf, N. Kabatf, W. Lih, Q. Lih, K. P. Kelleyi, R. K. Vasudevani, J. R. Schmidtb, S. E. Babcocka, and P. G. Evansa

S. Lu, M. Khoo, N. Tea, "Probe card with balanced lateral force," Patent WO/2008/008065.

S. Lu, Z. Guo, W. Ding, D. Dikin, J. Lee and R. Ruoff, "Insitu mechanical testing of templated carbon nanotubes," *Review of Scientific Instruments* **77**, 125101(2006).

S. Lu, Z. Guo, W. Ding and R. Ruoff, "Analysis of a microelectromechanical system testing stage for tensile loading of nanostructures," *Review of Scientific Instruments* **77**, 056103 (2006).

S. Lu, J. Chung, and R. Ruoff, "Controlled deposition of nanotubes on opposing electrodes," *Nanotechnology* **16**, 1765 (2005).