

Kevin C. Lester

Cleanroom Equipment Engineer
Center for Nanophase Materials Sciences Division
Oak Ridge National Laboratory
(865) 241-1733
lesterkc@ornl.gov



Education

Texas State Technical College Waco Texas AAS Laser Electro-Optics Technology

Professional Experience

2012–Present Cleanroom Engineer, Oak Ridge National Labs, Oak Ridge Tennessee
2008-2012 Lead Equipment Engineering Technician, abound Solar, Longmont Colorado
2005 Equipment Maintenance Technician, Intel Corp, Colorado Springs Colorado
2003–2008 Project Technician, Atmel Corp, Colorado Springs Colorado
1997–2003 Equipment Engineering Technician, Vitesse Semiconductor, Colorado Springs Colorado
1994-1997 Maintenance Technician, Symbios Logic Corp, Colorado Springs Colorado

Equipment Engineering / Operations

Maintain cleanroom equipment to industry standards while reducing operating costs by second sourcing parts and minimizing the need for service contracts.

Maintain cleanroom by interfacing directly with facility maintenance manager and engineers to minimize negative impacts on cleanroom integrity.

Design, procure and install new equipment to expand cleanroom process capabilities.

Design and install equipment modifications to increase tool availability, add a capability or “bullet proof” to prevent unscheduled downtime.

Support daily operations by providing training, materials and equipment recovery.

Design and fabricate fixtures that increase efficient use of cleanroom space while enabling research tasks.

Publications:

Lewis, B. B.; Stanford, M. G.; Fowlkes, J. D.; Lester, K.; Plank, H.; Rack, P. D., "Electron-Stimulated Purification of Platinum Nanostructures Grown via Focused Electron Beam Induced Deposition," Beilstein J. Nanotechnol. 6, 907-918 (2015).