



AGI

Abbie Gregg, Inc.

UC Riverside CNSE

Project Name: University of California at Riverside, Center for Nanoscale Science & Engineering (CNSE), Bourns Hall Cleanroom

Project Location: Riverside, CA

Design Builder: Luwa, USA

Project Size: 2,000 sq. ft. Cleanroom Conversion from Lab Space, 3,500 gross sq. ft. in Project including Facilities Support Renovation

Construction Cost: \$3M

Project Status: Completed May 2005, Operating Cleanroom

Client Reference:

Luis Carrazana, Associate Director, Design and Construction, UCR, 909-787-5610

Robert Haddon, Distinguished Professor, 951-827-2044

Mark Heiden, Lab Manager, UCR, 909-787-2551

Project Features:

- Bourns Hall Renovation
- Class 100 and Class 1,000 Cleanroom
- Characterization Area
- Remodel and Upgrade of Facilities Support Areas
- E-Beam Lithography

Services Provided by AGI for Project:

- Cleanroom and Characterization Programming
- Design and Construction Support (Design-Build Project)
- Site and Facilities Survey
- Layout, Utility Matrix, HPM Analysis
- Permitting Support
- Tool Research and Negotiation
- Vibration and EMI Consulting and Abatement Recommendations
- Operational Financial Modeling for the Center
- Process Engineering Support for the Tool Evaluation, Acceptance and Start-up

Building Uses:

- Multidisciplinary Nanotechnology Research
- Will provide the committed users a convenient, safe and technologically advanced laboratory within which to conduct research in nanoscale science and engineering.
- Fabrication of silicon-based CMOS, FET transistors and MEMS devices or variants of these devices with novel materials and process sequences.

Key AGI Personnel Associated with this Project:

- Abbie Gregg, Cleanroom Consultant
- Craig Rossrucker, Cleanroom Consultant
- Mei Rong Yen, Cleanroom Consultant
- Victor Rivas, Ph.D., Cleanroom Consultant



Bourns Hall, CNSE



Cleanroom Users



Cleanroom



Process Piping