

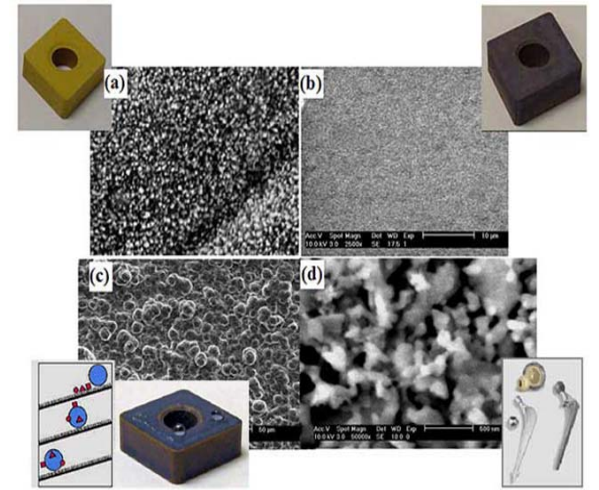
RESEARCH EXPERIENCES FOR UNDERGRADUATES IN NANOMATERIALS AND NANOMECHANICS AT THE



May 17 – July 24, 2009

Sample Projects

- Plasma Diagnostics for the Deposition of Nano-Materials
- Molecular Dynamic Simulations to Minimize Stress Induced Curvature
- Corrosion Process of Nanoparticles
- Nanoparticles Embedded in Lubricants for Energy Savings in Engines
- Carbon Nanotube Separation for Sensing and Biomedical Applications
- Mechanical Behavior of Metallic Nanolaminate Composite Materials
- Nanoscale Biomedical Sensors
- Gold Nanoparticle-induced Crystallization of Amorphous Silicon
- Nanoparticles to Enhance Heat Transfer in Heating & Cooling Equipment



Activities

- Professional Development Workshops
- Nanotechnology Seminars
- Group Social Events
- GRE Preparation

Award Information

- \$4,500 Stipend for 10 Weeks
- On-Campus Housing Included
- Food Allowance
- Round-Trip Travel Expenses up to \$450

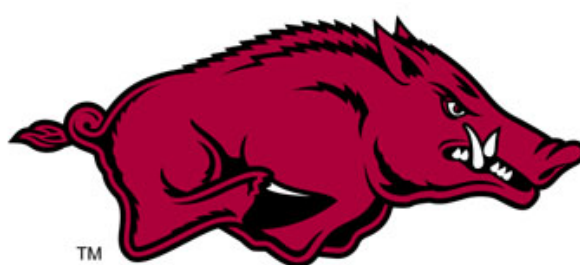
Application Process

- Two-Page Application Form
- Transcripts
- Two Recommendation Letters
- Personal Statement
- See Website Below for more Details

Eligibility

- U.S. Citizen or Permanent Resident
- 3.25 GPA
- Mechanical, Materials, Mechanics or Aerospace
- Freshman, Sophomore, Junior or Senior
- Must Graduate after September 2009

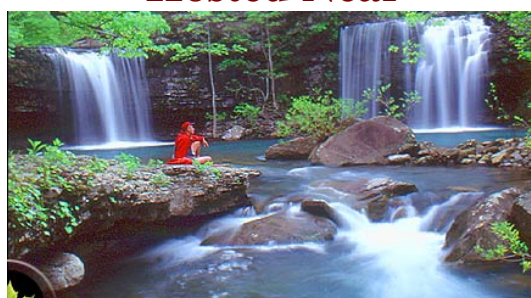
Application Deadline: March 2, 2009
Announcement of Awards: March 31, 2009
Contact: Dr. Matt Gordon / Dr. Joe Rencis
V-mail: 479-575-4458 / 479-575-3386
E-mail: mhg@uark.edu / jjrencis@uark.edu



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Applications Available at: <http://comp.uark.edu/~jjrencis/REU/>

Women and minorities are encouraged to apply.