About the NNIN

“The National Nanotechnology Infrastructure Network (NNIN) is an integrated networked partnership of user facilities, supported by the National Science Foundation, serving the needs of nanoscale science, engineering and technology.”

NNIN offers several hands-on summer, weekend, and/or after school camps and programs through colleges such as:

- Cornell University
- Stanford University
- Georgia Institute of Technology
- University of Washington
- University of Michigan
- Pennsylvania State University
- University of California Santa Barbara
- University of Texas
- University of New Mexico
- Howard University
- N.C. State University
- University of Minnesota
- Harvard University

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About Us

Georgia Institute of Technology’s NNIN site is located within the Microelectronics Research Center (MiRC) and houses the coordinating office for NNIN Education and Outreach. In addition to coordinating all of the NNIN sites and working with other national nanotechnology education initiatives, the Georgia Tech site is actively involved in local programs.

The programs include:
- Research Experience for Teachers (RET)
- Research Experience for Undergraduates (REU)
- NanoCamp
- Nano@Tech
- Teacher/K-12 Resources

REU Program
MiRC hosts REU interns from the NNIN REU program during the summer. Our students are from colleges and universities throughout the country and conduct research in our facilities in this 10-week summer mentored research program. Our participants are highly satisfied with the experiences they obtain at our NNIN facility:

“I couldn’t have asked for a better internship experience. I feel so fortunate about all aspects of the experience… In turn, these things really made it easy for the six interns to develop camaraderie. When I was saying bye to the other interns, we all felt that the NNIN REU program was really a good program, but having Georgia Tech as the host site was what made it special.”
-Ian Yang Georgia Tech REU 2005

NanoCamp
Each summer the MiRC hosts a week long summer camp for high school students interested in nanotechnology (non-residential). The camp is held during June and is titled Advanced Topics Course: Nanotechnology Explorations. The program is a combination of hands-on activities, laboratory tours, and lectures.

Nano@Tech
Our site hosts an organization of over 100 graduate students, undergraduates, faculty, and staff from a variety of nanotechnology research laboratories and programs across the Georgia Tech and Emory campuses. Nano@Tech encourages interactions among the various disciplines represented by the members and serves as a communication and support network. Seminars and networking sessions are held monthly and the schedule of meetings can be accessed at our web site.

NanoPartners
Volunteers from Nano@Tech are actively engaged in our outreach activities and serve as mentor/guides to K-12 school groups.

Teacher/K-12 Resources
MiRC has hosted several school groups who have participated in hands-on activities and tours of the facilities. In March 2005, we hosted a visit of 350 eighth grade students from Austin Road Middle School over a two day period. Seventy volunteers from 15 research laboratories assisted these students in learning about nanotechnology through hands-on activities, demonstrations, and laboratory visits. In addition, students learned about education and career opportunities in nanoscale science.

MiRC is currently developing educational resources for teachers. These will be placed on the NNIN Education Portal.