

Ethics of the Nanoscale

J. Bradley, Principal Investigator

Auburn University

Award ID: 0532340

Presenters:

M. Sidler, Auburn University

L. Ortmann, Tuskegee University

About the Project Team

- An interdisciplinary faculty from three institutions are developing curricula about nanotechnology.
- The team represents chemistry, biology, engineering, philosophy, and the humanities.
- The materials are being used to educate freshman and sophomores about nanotechnology.
- Faculty have cross-educated themselves.



Curricula Completed

- In Spring 2007, Concepts of Nanoscience is being taught at
 - Auburn University
 - Tuskegee University
 - Auburn University-Montgomery.
- In Summer 2006, several instructional modules were implemented for:
 - Concepts of Science
 - Summer Bridge Program



Ancillary Activities



- In Fall 2006 and Spring 2007, two guest speakers visited Auburn University
- Initial assessment of the course materials began in Summer 2006
- Several conference presentations have been delivered:
 - The 2006 Modern Language Association
 - The 2007 Alabama Academy of Science

Broader Impact

- This project will support ongoing collaboration between:
 - Scientists
 - Engineers
 - Ethicists
 - Educators
 - Politicians
 - Citizenry
- The project also reinforces NSF's Strategic Plan to investigate "the human and social dimensions of new knowledge and technology" (NSF Strategic Plan, p. 6).