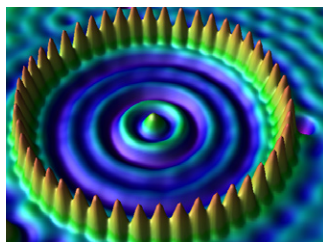


NANOCONCEPTS IN HIGHER EDUCATION



2nd Annual Faculty Workshop for Learning & Teaching in Nanoscale Science & Engineering August 6-9, 2006 • Cal-Poly, San Luis Obispo

The National Center for Learning & Teaching in Nanoscale Science and Engineering (NCLT) was established by the National Science Foundation in 2004 to conduct pioneering research and to build capacity in nanoscale science and engineering education (NSEE) for grades 7-16. As part of its higher education (13-16) mission, the NCLT sponsors annual faculty workshops in NSEE. The 2006 Workshop will be held at the California Polytechnic State University, San Luis Obispo, CA from August 6th through 9th.

WORKSHOP CONTENT

- Introduction to nanoscale science/engineering
- Introducing nanoconcepts in the classroom
- Teaching methods for nanoscale science/engineering
- How to assess student learning outcomes in NSE
- Research methods in NSE learning and teaching

CALL FOR PARTICIPANTS*

The NCLT is seeking faculty partners who are currently active in teaching NSE in the classroom or are serious about developing nanocontent/nanocourses/nanodegree programs for the higher education setting. The goals of the workshop are to:

- Help identify key learning needs in nanoscience/nanotechnology at the undergraduate level,
- Develop action plans for incorporating nanoconcepts in undergraduate courses and programs,
- Foster collaborations to study how undergraduates learn nanoscience/nanotechnology,
- Help develop a National NSEE Clearinghouse of resources (courses, lectures, demos, etc.) for nanoscience/nanotechnology educators.

** Attendance is by invitation only. Interested faculty are encouraged to apply by filling out the attached application form and returning it to: nclt@northwestern.edu. NCLT will cover the cost of room and board for participants outside the greater San Luis Obispo, CA area.*

FEATURED SPEAKERS



DR. GREGORY LIGHT,
Northwestern University,
Searle Center for Teaching Excellence



PROFESSOR TOM MASON,
Northwestern University,
Materials Science and Engineering



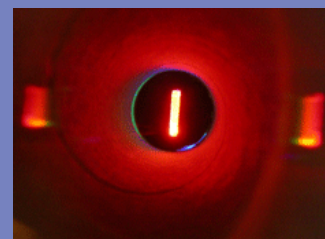
PROFESSOR DEB NEWBERRY,
Dakota County Technical College,
Nanoscience Technology Program



PROFESSOR YA-HONG XIE,
University of California at Los Angeles,
Materials Science and Engineering

Sponsored by:

NCLT
National Center
for Learning & Teaching
in Nanoscale Science
& Engineering



Application Deadline
June 1, 2006
with notification by
June 15, 2006

Email:

NCLT@northwestern.edu
for application or
more information.

www.NCLT.us