

WHAT WILL I DO?

- Explore how science, engineering and new materials help shape the future.
- Discover the microuniverse.
- Make & break composite materials.
- Create a hologram using laser technology.
- Learn about job opportunities in the high-tech field of materials science.
- Experience college life.
- Make new friends.

WHO WILL I WORK WITH?

You will work with faculty and students from the following departments:

- Physics and Astronomy
- Chemistry and Biochemistry
- Electrical and Computer Engineering
- Chemical Engineering
- Mechanical Engineering

as well as other high school students with an interest in science.

MATERIALS Science

FOR MORE INFORMATION,

PLEASE CONTACT:

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About Rowan University

Rowan University is a medium-size public university in New Jersey that enrolls more than 9500 students. The University offers 37 undergraduate majors among six colleges (Business, Communications, Education, Engineering, Fine & Performing Arts, and Liberal Arts & Sciences), and 29 graduate programs leading to master's and doctoral degrees.



Explore · Discover · Experiment · Create

ROWAN UNIVERSITY

2009 Summer Institute in Materials Science

June 21-26



WHAT IS THE SUMMER INSTITUTE?

If you like science, Rowan University is the place to be this summer. High school students will join Rowan faculty and students for a week of experiments, learning and fun. This unique summer camp will be held on the campus of Rowan University in Glassboro, New Jersey.

WHO SHOULD ATTEND?

High school students with an interest and ability in science. The institute is intended for students considering a career in science/engineering who have completed their sophomore year of high school.

HOW DO I APPLY?

Application information can be found at www.rowan.edu/materials. A complete application includes a completed student application form and at least two letters of recommendation. The application deadline for the 2009 Summer Institute in Materials Science is

May 18, 2009.

Cost- \$350 per participant. Three scholarships will be provided for applicants with outstanding academic records.

Summer Institute Faculty

DEPARTMENT OF PHYSICS & ASTRONOMY

Dr. Sam Lofland
Magnetic materials
Dr. Jeffrey Hettinger
Superconducting materials
Dr. Ernst Knoesel
Lasers

DEPARTMENT OF CHEMISTRY & BIOCHEMISTRY

Dr. Kandalam Ramanujachary
Magnetic materials
Dr. Robert Newland
Polymers

DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING

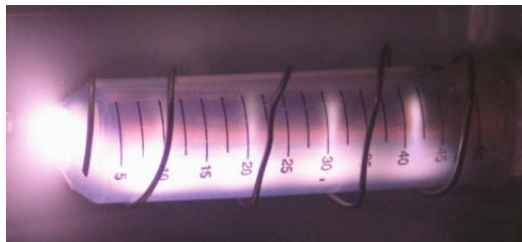
Dr. Robert Krchnavek
Nanotechnology

DEPARTMENT OF CHEMICAL ENGINEERING

Dr. James Newell
High strength fibers

DEPARTMENT OF MECHANICAL ENGINEERING

Dr. Paris Von Lockette
Polymers



Summer Institute Daily Schedule

MORNINGS:

- Breakfast
- Presentation
- Small Group Lab Activity
- Lunch Break

AFTERNOON:

- Presentation
- Small Group Lab Activity
- Presentation
- Dinner
- Physical Activity

Field trips are mixed into the weekly schedule. A Planetarium show and observatory activity are planned.

