

PHYSICS IN YOUR FUTURE



Syracuse University
Department of Physics
201 Physics Building
Syracuse, NY 13244
October 17, 2009

Welcome Students, Teachers, Parents!

Physics in Your Future will be held on Saturday, Oct. 17, 2009, from 9:45 a.m. to noon and is a special presentation on undergraduate programs in physics. Our purpose is to further knowledge of high school students and teachers on college programs in physics, including research opportunities for undergraduate students and careers. High school students considering a science major are encouraged to participate. A flyer on this meeting is in attachment *PHYSICS IN YOUR FUTURE BW.pdf*, for distribution and posting in high schools.

Since the program intends to inform high school students, (as well as teachers), about college science programs, we request that teachers invite their students to participate in this part of the program. The students can come on their own volition or with parents, or, if permitted, with teachers or guidance counselors.

The meeting will be held at the Physics Building on the campus of Syracuse University, Room 202-204. If you are not familiar with the Syracuse University campus, maps can be found by checking the site <http://www.phy.syr.edu/info> and then clicking on any of the three choices of maps. Directions to the campus and a campus map are in two attachments.

Provisions have been made for parking adjacent to the Physics Building for teachers, students, and parents. Signed forms confirming participation by teachers will be available.

Program of Physics in Your Future

We will open at 9:45 a.m. in Room 202-204 with refreshments and socializing. The program begins at 10:00 a.m. with a talk on the undergraduate program of physics majors and on job opportunities for physics majors given by Professor Cristina Marchetti, Chair of the Physics Department at Syracuse University.

Next will be talks by senior physics majors Scott Collison and Austin DeLorme on what it is like to be a physics major, and what it is like to do undergraduate physics research. A question and answer session will follow.

Then, during the 10:45 a.m. – 11:45 a.m. period, we will form four groups for tours of four selected research labs of the Physics Department. The labs are these: *Experimental Research on Elementary Particles* (Professor Marina Artuso); *Experiments in Astrophysics* (Professor Gianfranco Vidali); *Superconducting Circuits for Quantum Information Science* (Professor Britton Plourde); and *Research in Biophysics* (Professor Liviu Movileanu). The discussions will be led by student researchers or faculty.

We will finish back in Room 204 at 11:45 a.m. with concluding remarks by Professor Alan Middleton and with the distribution of pamphlets from the American Physical Society on job opportunities in physics.

We look ahead to your participation at the October 17 meeting. The program is repeated in capsule form below.

Allen Miller
Emeritus Professor

Alan Middleton
Professor

Cristina Marchetti
Chair, Physics

Agenda

9:45 – 10:00 a.m.	Refreshments and Socializing
10:00 – 10:45 a.m.	Discussion on Undergraduate Programs and Job Opportunities with Professor Cristina Marchetti and Undergraduate Senior Physics Students Scott Collison and Austin Delorme
10:45 - 11:45 a.m.	Tours of Four Physics Research Laboratories 1) Superconducting Circuits Prof. B. Plourde, Rm. B245 2) Elementary Particles Prof. M. Artuso, Rm. 335 3) Research in Astrophysics Prof. G. Vidali, Rm. B213 4) Research in Biophysics Prof. L. Movileanu, B111
11:45 a.m. to noon	Wind-up Remarks by Professor Alan Middleton on Undergraduate Physics and Job Opportunities