

# SAMUEL GINN COLLEGE OF ENGINEERING CHEMICAL ENGINEERING SPRING 2011 SEMINAR SERIES

SPRING  
2011



## Discrete and Continuous Optimization Models for the Design and Operation of Sustainable and Robust Process Systems

Dr. Ignacio Grossman  
Department of Chemical Engineering  
Carnegie Mellon

JANUARY

19

2 PM 1103 SHELBY CENTER



## Templating Nanostructured Materials from Self Assembled Fluorinated and Mixed Surfactants

Dr. Barbara Knutson  
Department of Chemical and Materials Engineering  
University of Kentucky

FEBRUARY

16

3:30 PM 136 ROSS HALL



## Intelligent Biomaterials for the Next Generation of Responsive Drug and Protein Delivery Systems

Dr. Nicholas Peppas  
Department of Biomedical Engineering  
University of Texas at Austin

FEBRUARY

23

2 PM 1103 SHELBY CENTER



## Nanofiber Composite Fuel Cell Membranes

Dr. Peter Pintauro  
Department of Chemical and Biomolecular Engineering  
Vanderbilt University

MARCH

09

3:30 PM 136 ROSS HALL



## Sustainability and Carbon Management in the Chemical and Energy Industries

Dr. Jeff Siirola  
Eastman Research Division  
Eastman Chemical Company

MARCH

23

2 PM 1103 SHELBY CENTER



## Advanced Cellulosic Biofuels: Feedstock Development and Logistics Research in Tennessee

Dr. Tim Rials  
Center for Renewable Carbon  
University of Tennessee

APRIL

13

3:30 PM 136 ROSS HALL

## **SAMUEL GINN COLLEGE OF ENGINEERING DEPARTMENT OF CHEMICAL ENGINEERING DISTINGUISHED SEMINAR SERIES AND BASORE LECTURE SERIES **SPRING 2011****

### **SAMUEL GINN COLLEGE OF ENGINEERING**

Auburn University has been offering engineering courses since 1872 and has a long and rich tradition of excellence in engineering education. The college's Fall 2010 undergraduate enrollment was 3,890 and graduate 810.

The Samuel Ginn College of Engineering:

- ▶ Comprises the largest engineering program in the state of Alabama and is the university's largest in terms of enrollment
- ▶ Produces about half of the state's engineering graduates
- ▶ Awards more than \$1 million in scholarships annually
- ▶ Counts 54 National Merit Finalists, 21 National Hispanic Scholars and 11 National Achievement Finalists in its fall 2010 freshman class

- ▶ Conducts approximately half of the university's \$71 million in annual research
- ▶ Houses nine departments offering 13 academic programs and 13 research centers
- ▶ Is represented by more than 30,000 alumni around the globe, including more than 12,000 in Alabama
- ▶ Has a rich heritage of solid engineering disciplines that combine fundamentals with real-world experience

### **DEPARTMENT OF CHEMICAL ENGINEERING**

Auburn has been offering chemical engineering courses since 1913. Our graduate program began early in the department's history, with the first master's degrees conferred in 1919. In Fall 2010, 461 under-graduate and 92 graduate students were enrolled in chemical engineering.

Auburn offers a balanced, challenging chemical engineering curriculum that prepares its graduates for a successful career. The department emphasizes hands-on experience to its undergraduate students through laboratory projects and state-of-the-art computer simulation. The department has strong ties with industry, and encourages students to become involved in its cooperative education program, gaining valuable experience in industry and while making money for school expenses.

For the student seeking an advanced degree in chemical engineering, Auburn University offers many exciting opportunities. The size and strength of Auburn's research program provides important advantages for graduate students. Among southeastern schools, Auburn maintains

a top ranking in research awards per faculty member. This allows the department to provide excellent fellowships and assistantships for all qualified students, and to offer cutting-edge research equipment in all chemical engineering laboratories.

Thanks to recent renovations of Ross Hall and Wilmore Laboratories, chemical engineering classrooms and labs rank among the best in the nation.

Chemical engineering's young and energetic faculty is well qualified academically and professionally, with advanced degrees from top universities as well as considerable industry experience.

Please visit our website at [eng.auburn.edu/chen](http://eng.auburn.edu/chen)