

# SAMUEL GINN COLLEGE OF ENGINEERING CHEMICAL ENGINEERING DISTINGUISHED SEMINAR SERIES

FALL  
2011



## Engineering Heterogeneous Reactions in Micro-flow for Fine Chemicals Manufacturing and Sustainable Energy

**Dr. Ryan Hartman**  
Department of Chemical and Biological Engineering  
University of Alabama

SEPTEMBER

28

3:30 PM 136 ROSS HALL



## Micro- and Nanoscale Mechanical Testing

**Dr. Maarten de Boer**  
Department of Mechanical Engineering  
Carnegie Mellon University

OCTOBER

05

3:30 PM 136 ROSS HALL



## GINN DISTINGUISHED SEMINAR Oriented Assembly by Capillarity

**Dr. Kathleen J. Stebe**  
Department of Chemical and Biomolecular Engineering  
University of Pennsylvania

OCTOBER

12

3:30 PM 136 ROSS HALL



## BASORE DISTINGUISHED LECTURE Engineering Gels to Promote Tissue Regeneration

**Dr. Kristi S. Anseth**  
Department of Chemical and Biomolecular Engineering  
University of Colorado at Boulder

NOVEMBER

02

3:30 PM 136 ROSS HALL



## Computational Approaches to Resolving the TGF- $\beta$ Paradox in Cancer

**Dr. Babatunde A. Ogunnaike**  
Chemical Engineering Department  
University of Delaware

NOVEMBER

09

1:00 PM 136 ROSS HALL

### THE SAMUEL GINN DISTINGUISHED SEMINAR SERIES

Founded in 2005, The Samuel Ginn Distinguished Seminar Series brings distinguished leaders from the academic and business communities to Auburn's campus to interact with faculty and students. Lectures cover subjects such as engineering, education, entrepreneurship and global engineering issues, as well as engineering and business leadership. It honors Auburn engineering alumnus and wireless engineering pioneer Samuel Ginn, who in 2001 donated \$25 million to Auburn with the goal of advancing his alma mater into the ranks of the nation's top wireless engineering research and teaching institutions.

### THE BASORE DISTINGUISHED LECTURE SERIES

The Basore Distinguished Lectureship is named for Dr. Cleburne A. Basore, who in 1929 became the first head of Auburn's Department of Chemical Engineering. Basore devoted his career to teaching, research and community service, focusing on excellence in every pursuit. He laid the foundation for Auburn's chemical engineering program to become one of the most vital in the Southeast.



Samuel Ginn College of Engineering  
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## **SAMUEL GINN COLLEGE OF ENGINEERING DEPARTMENT OF CHEMICAL ENGINEERING DISTINGUISHED SEMINAR SERIES FALL 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 2011 undergraduate enrollment was 4,018 and graduate 834.

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 2011, 550 undergraduate and 81 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 Auburn's 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)