

CHEMICAL ENGINEERING

DISTINGUISHED SEMINAR SERIES

Samuel Ginn College of Engineering
Auburn University

October 5
Shelby 1103
3:30 p.m.

Basore Distinguished Lecture: "Biofuels from Biomass in Autothermal Reactors"
Professor Lanny Schmidt
Department of Chemical Engineering and Materials Science
University of Minnesota

October 14
Shelby 1103
3:30 p.m.

Basore Distinguished Lecture: "Lessons Learned from Catalyst Design"
Professor Mark Barteau
Department of Chemical Engineering
University of Delaware

October 21
Ross 136
3:30 p.m.

"Polymeric Microcapsulates as a Platform Technology for Biomimetic Drug Delivery"
Professor Steven Little
Department of Chemical Engineering, Bioengineering and Immunology
McGowan Institute for Regenerative Medicine
University of Pittsburgh

October 28
Ross 136
3:30 p.m.

"Dynamic Flux Balance Models for Genome-Scale Analysis and Optimization of Yeast Metabolism"
Professor Michael Henson
Department of Chemical Engineering
University of Massachusetts-Amherst

November 5
Ross 136
3:30 p.m.

Basore Distinguished Lecture: "Additive Effects on Nucleation and Growth during Electrodeposition: Experiments and Multiscale Simulations"
Professor Richard Alkire
Department Chemical and Biomolecular Engineering
University of Illinois

November 16
Ross 136
3:30 p.m.

Ginn Distinguished Lecture: "A Process Systems Engineering Approach for Managing the Complexity in Chemical Product-Process Design"
Professor Rafiqul Gani
Department of Chemical and Biochemical Engineering
Technical University of Denmark

CHEMICAL ENGINEERING

seminar series

Fall 2009

The Samuel Ginn College of Engineering

Auburn University has been offering engineering courses since 1872 and has a long and rich tradition of excellence in education and research. Undergraduate engineering enrollment for fall 2009 is 3,598 and graduate 754.

The Samuel Ginn College of Engineering:

- Comprises the largest engineering program in the state of Alabama and is the university's largest college (in terms of enrollment)
- Produces about half of the state's engineering graduates
- Awards more than \$1 million in scholarships annually
- Conducts approximately half of the university's \$71 million in annual research and ranks 37th nationally in research expenditures
- Maintains an aggressive campaign to update and expand classroom and laboratory facilities, including the renovations of landmark Ross Hall and Wilmore Laboratories and the new \$108 million Shelby Center to advance engineering technology in a variety of disciplines
- Houses nine departments offering 13 majors and 12 research centers and is a nationally recognized leader in three of Auburn University's seven "Peaks of Excellence" primary research areas
 - Information technology
 - Detection and food safety
 - Transportation
- Is represented by more than 30,000 Auburn Engineering 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

Chemical Engineering

Auburn University 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. Currently, there are approximately 411 undergraduate and 91 graduate students enrolled in chemical engineering.

Auburn offers a balanced, challenging chemical engineering curriculum designed to prepare graduates for successful careers in industry and academia. 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, allowing them to gain valuable industry experience and earn money for school expenses.

For the student seeking an advanced degree in chemical engineering, Auburn offers many exciting opportunities. Among Southeastern schools, Auburn maintains a top ranking in research awards per faculty member, allowing the department to provide excellent fellowships and assistantships for all qualified students and cutting-edge research equipment in our 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