AUBURN
UNIVERSITY

Fall 2007

CHEMICAL ENGINEERING
seminar series

Samuel Ginn College of Engineering
Auburn University

September 14

Engineering Novel Oxygen Therapeutics
Andre Francis Palmer
Associate Professor
Ohio State University, Department of Chemical and Biomolecular Engineering
1 p.m., McMillan Auditorium (136 Ross Hall)

September 26

On-chip Droplet and Particle Manipulation by Electric Fields: Application in Microbioassays and Microfluidic Devices
Orlin D. Velev
Associate Professor
North Carolina State University, Department of Chemical and Biomolecular Engineering
3:30 p.m., McMillan Auditorium (136 Ross Hall)

October 3

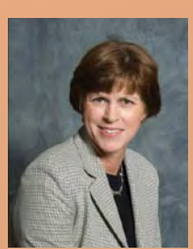
Incorporating Molecular Modeling in Process Design
Martha Grover Gallivan
Assistant Professor
Georgia Institute of Technology, Department of Chemical and Biomedical Engineering
3:30 p.m., McMillan Auditorium (136 Ross Hall)

October 10

Homogeneous and Heterogeneous Cracking of Model Lipids
Rafael Hernandez
Associate Professor
Mississippi State University, Department of Engineering
3:30 p.m., McMillan Auditorium (136 Ross Hall)

October 17

Nanocomposite Fire Performance: Contribution of Montmorillonite Barrier Layer
Holly Stretz
Associate Professor
Tennessee Tech University, Department of Chemical Engineering
3:30 p.m., McMillan Auditorium (136 Ross Hall)



October 24

Fog Chemistry and Air Pollution
Kalliat T. Valsaraj
Department Chair
Charles and Hilda Roddey Distinguished Professor
Louisiana State University, Department of Chemical Engineering
3:30 p.m., McMillan Auditorium (136 Ross Hall)

ENP0709CH1

Samuel Ginn College of Engineering
Department of Chemical Engineering
212 Ross Hall
Auburn, AL 36849-5127

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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 engineering education. We consistently rank in the nation's top 20 engineering programs in the number of students we graduate. Undergraduate enrollment in engineering for fall 2007 is 2,786 and graduate 540.

The Samuel Ginn College of Engineering:

- Comprises the largest engineering program in the state of Alabama and is the university's third largest 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
- Maintains an aggressive campaign to update and expand classroom and laboratory facilities, including the renovations of landmark Ross Hall and Wilmore laboratories to state-of-the-art facilities, and the new $108 million Transportation Technology Center to advance engineering technology in a variety of disciplines
- Houses nine departments offering 14 majors, 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 275 undergraduate and 60 graduate students enrolled in chemical engineering.

Auburn University 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 its 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 University 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 $108 M in new construction and $30M in renovations, Auburn 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 industrial experience.

Please visit our website at: eng.auburn.edu/chen