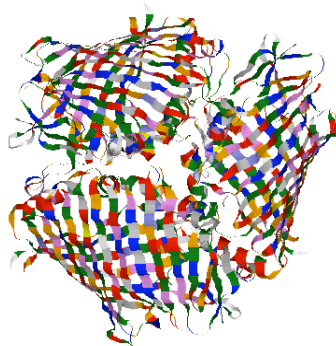


4th Annual Chemistry Symposium Kansas State University



Chemistry, Chemical Engineering & Physics

- For:** Current (2009-10) **High School** Sophomores, Juniors & Seniors and **Community College** students in Kansas with strong interest in chemistry, physics, and related sciences and as well as interested teachers or sponsors.*
- On:** **Thursday, April 15** 8:30 am – 9:00 am Registration (Breakfast Included)
9:00 am - 3:00 pm Symposium Events
(Lectures, Lunch, and visits to different laboratories and demonstrations).
- At:** Kansas State University; The Hemisphere Room (Hale Library)
- Why:** **To provide an opportunity for motivated students to inquire and learn about various aspects of energy-related issues and energy-related activities at K-State. Enroll by e-mail to ryszard@ksu.edu and khem@ksu.edu**

Enrollment Due: March 15th

NO COST TO PARTICIPATE; a free breakfast, lunch, and T-shirt will be provided

Student Name: _____ Home Address: _____

E-mail: _____ Cumulative GPA: _____ Composite ACT Score (if available): _____

Class: Soph ___ Jr ___ Senior ___ Community College ___ **T-Shirt Size:** S M L XL

Current School: _____ **Interested in:** Chem _____ Chem. Eng. _____ Phys. _____
*Teachers or Sponsors who would like to bring a group of students may submit one complete list of students with the requested information above.

Space is limited to about 90 participants including teachers

This event is sponsored by the National Science Foundation, KSU Departments of Chemistry, Chemical Engineering, and Physics, and the Office of the Vice-President for Research at KSU.

4th Annual Chemistry Symposium
Kansas State University
Chemistry, Chemical Engineering & Physics

Thursday, April 15, 2010 (The Hemisphere Room (Hale Library) Manhattan, Kansas

Goal: To extend education and encourage students to pursue careers in chemistry, physics, and related fields.

Symposium Chair: R. Jankowiak (Department of Chemistry)
Symposium co-Chair: V. Converse (Hanover High School) and C. Levy (Chemistry)
Organizing Committee: R. Szoszkiewicz and A. Dey (Physics), J. Johnson, H. Johnson, B. Neupane, K. Acharya, X. Feng and C. Lin (Chemistry)

Program

- 9:00 – 9:05** **Introductory Remarks**
Eric Maatta, Department of Chemistry Chair
- 9:05 – 9:30** **BioEnergy: Challenges and Opportunities for Meeting World Energy Demand**
Mary Rezac
- 9:30 – 9:55** **Nanoporous Membranes for Enhanced Energy Utilization**
Dan Higgins
- 9:55 – 10:20** **Catalysis and Biofuels**
Keith Hohn
- 10:20 – 10:45** **Break and informal discussion (refreshments will be available)**
- 10:45 – 11:10** **Green Energy**
Chris Levy
- 11:10 – 11:35** **Nanotechnology for Solar Energy Conversion and Electrical Energy Storage**
Jun Li
- 11:35 – 12:00** **Oxygenic Photosynthesis: from Simplicity to Complexity and Back**
Ryszard Jankowiak
- 12:00 – 1:00** **Lunch and informal discussion with presenters and undergraduate/graduate students (pizzas and drinks will be provided)**
- 1:00 – 3:00** **Visit to research laboratories and demonstrations by students**
- 3:00** **Departure**

Please join us to learn more about the energy-related areas and energy-related activities at K-State.