

September Section Meeting – Science & Engineering Education

Join us as the University of Colorado (CU) Boulder Student Chapter of AIChE presents an overview of chapter activities and Chemical Engineering Research at CU. Professor Al Weimer and Student Chapter President David Hutson will discuss ongoing education, research, and outreach within the Department of Chemical & Biochemical Engineering. The presentation will highlight several focus areas at CU with four current undergraduate students presenting their research projects in the areas of renewable energy, nanomaterials, and biotechnology. Bring your junior-high or high school student to hear about engineering at CU.

After the presentations, the undergraduate students will provide a tour of their research laboratories and a tour of CU engineering's nationally acclaimed Discovery Learning Center (DLC). The DLC is a 45,000 ft², state-of-the-art research and learning laboratory that opened in 2002. Laboratories for research and study in aerospace engineering, biomaterials and biotechnology, drinking water systems, information technology and telecommunications are housed in the facility, along with videoconferencing, multimedia teaching and team meeting rooms.

Special features of the Discovery Learning Center include:

- three-story glass atrium lobby with a 16-panel digital "video wall," offering a wide array of programming;

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September Section Meeting

- Topic:** Science & Engineering Education
- Speakers:** Dr. Alan W. Weimer, Professor, Dept. of Chemical & Biological Eng. David Hutson, AIChE Student Chapter President
- Date:** Tuesday, September 19th
- Time:** 6:00 – 6:45 Social Time and Science Fair Winner Displays
6:45 – 7:45 Buffet Dinner and CU presentations
7:45 – 8:00 Walk to Discovery Learning Center (DLC)
8:00 – 9:00 DLC Tour
- Location:** University of Colorado at Boulder, University Memorial Center, ASPEN Room
- Menu:** Taco & Burrito Bar featuring beef, chicken, taco shells and tortillas, Spanish rice, black beans, guacamole and toppings, and traditional Mexican dessert.
- Cost:** Members: \$20
(w/RSVP)* Non-Members: \$25
Students & Unemployed: \$10

Please RSVP by **Friday, September 15th** (early RSVPs are greatly appreciated!) indicating your name, phone number, and number of attendees. Please RSVP to Craig Turchi by voicemail at 303-384-8285 or email at rockyaiche@yahoo.com.

*Add \$5 for attending meeting without RSVP

Note: Payment will be requested from no-shows (unless reservation is cancelled by RSVP deadline)

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- raised floor system housing laboratory utilities, which can be reconfigured to accommodate new programs and changing needs;
- 108-person videoconferencing facility;
- team meeting rooms along the pedestrian bridge to the Integrated Teaching & Learning Laboratory;
- combined facility for space experiments, including a clean room and project operations control center;
- roof-top observatory dome housing a 12.5-inch telescope for use in outreach by the Colorado Space Grant Consortium.

Come meet our special guests for the evening – award winners from the 51st Annual Colorado Science and Engineering Fair, held April 6-8, 2006. These junior and senior high school science whizzes will showcase their projects and join us in learning about engineering at CU. The winners include:

- Jordana Lanoue and Alicia Buchholz from Genoa-Hugo High School, who won first prize in the junior division for their project on “Acid Reactivity,”
- Shelby Messer, also from Genoa-Hugo High School, who captured second prize in the junior division for “Chromatography for Markers and Powder Drink Mixes,”
- McIan Amos and Andres Mahan from Centennial High School, who won first prize in the senior division for their potato cannon experiments investigating “Fuel to Air Ratios,” and
- Andrew West from Conifer High School who took second place in the senior division for “The Production of Diesel Fuel from Food Grade Vegetable Oil by Method of Catalytic Hydrocracking”

MEETING SCHEDULE

The Rocky Mountain District of AIChE generally meets the third Tuesday of every month, September through November and January through May.

NEW MEXICO CORNER

New Mexico members are getting active and organized. Kerrie is searching for volunteers to speak/present an engineering topic, so please contact her if you know of anyone available in the Albuquerque area. For more information about the New Mexico meetings, contact Kerrie Greenfelder at GreenfelderKL@cdm.com

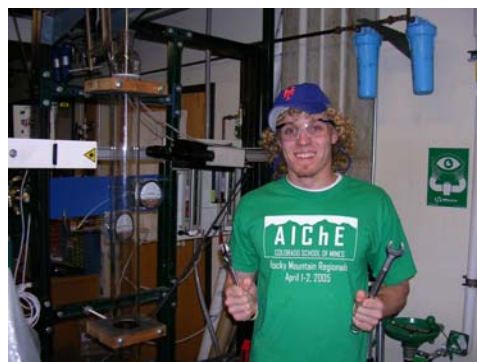
AIChE “WebCasts”

A webcast is much like a large conference call – but in a more controlled environment. You simply dial a long distance US phone number, put in your PIN and you’re connected! Then login to an Internet website to view PowerPoint slides on your PC. Ask questions either over the phone or via online chat. The phone connection may be replaced by voice over your PC's speakers. Check out the WebCasts available through National AIChE via their website www.aiche.org. Here is a sample of past and future titles:

- Modeling and Design of Multiscale Chemical Systems by Prof. Richard D. Braatz (9/2006)
- Computational Tools for the Analysis and Redesign of Microbial Production Systems by Prof. Costas D. Maranas (5/2006)
- Feedback: The simple and best solution. Applications to self-optimizing control and stabilization of new operating regimes by Prof. Sigurd Skogestad (2/2006)

September Speakers:

Dr. Alan W. Weimer (left) and David Hutson (right)



AIChE Meetings

2006

- Sept. 5-7 2nd Int'l Conf. on Bioengineering & Nanotechnology Santa Barbara, CA
- Sept. 10-14 Safety in Ammonia Plants Vancouver
- Oct. 2-3 SPE/AichE Workshop -- "Unlocking the Challenge of Heavy Oil" Galveston, TX
- Nov. 12-17 2006 Annual Mtg. San Francisco, CA

2007

- Jan. 14-18 SBE's 1st Int'l Conference on Biomolecular Engineering Coronado Isl, CA

For further information, contact National AIChE.

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The objectives of AIChE are to advance chemical engineering in theory and practice, to maintain a high professional standard among its members, and to serve society, particularly where chemical, engineering can contribute to the public interest.

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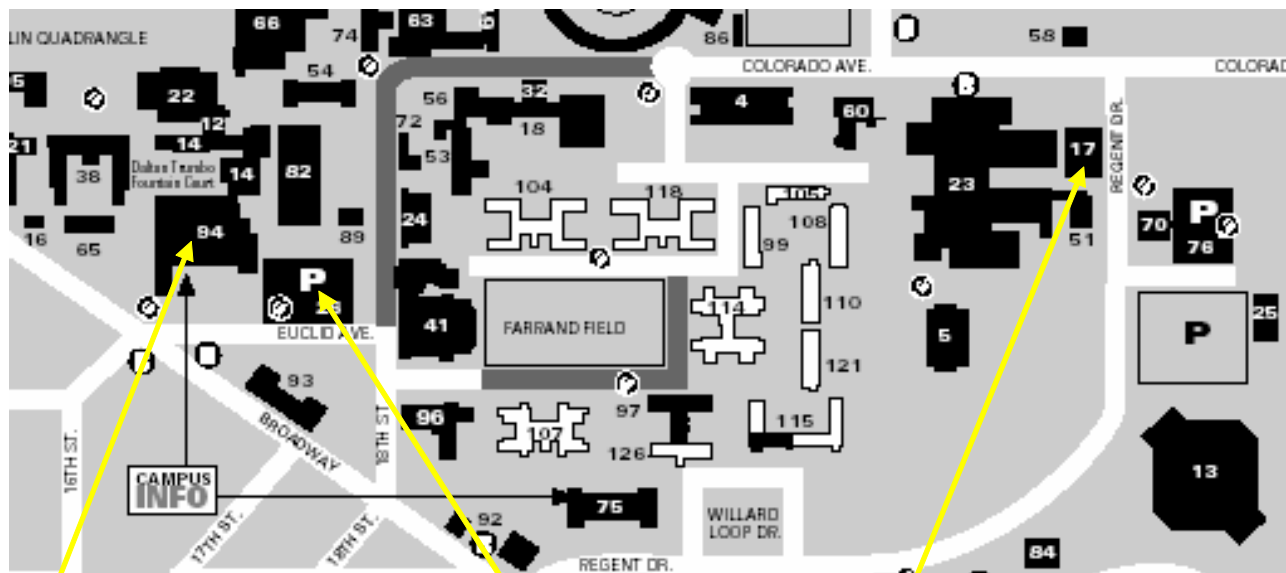
Map of Boulder area for September meeting location

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Send your E-MAIL address to
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this newsletter electronically!



94 University Memorial Center

Visitor Parking

17 Discovery Learning Center

DIRECTIONS: (Boulder Map on page 3) **From the Denver Area** - Go west on U.S. 36 (from I-25 or I-270) and exit at Baseline Road. Turn left (west) on Baseline Road, then right (north) on Broadway to the campus. Turn right onto Euclid Avenue for visitor parking. *The Euclid Auto Park (EAP) after 5pm rate is \$2 and is located on Euclid Avenue off Broadway next to the UMC.*