

# Rocky Mountain AIChE News

March 2014

Volume 23 Number 6

## March Section Meeting: Building Programs and Friendships in Iraqi Kurdistan

On the heels of the downturn in the Iraq war, a new educational institution was founded in the northern Kurdistan Region, the American University of Iraq – Sulaimani (AUIS). In its original design, AUIS provided a two-year liberal arts core with follow-on degrees in business, information technology, and international affairs. All courses are taught in English and in the style of an American university; consequently, there is a preparatory English program of up-to-two years for those students with limited background in the language.

In 2010, AUIS took on the commitment of adding an engineering degree program and sought help and endorsement from the University of Colorado. Since then, Prof. Clough has served as the consultant architect of the program, which will graduate its first engineers in May 2015. He visits AUIS every six months for a week. In his presentation, he will describe the setting of AUIS, providing background on the Kurdistan Region and Sulaimani. He will describe how the engineering program was designed to accommodate the academic structure of AUIS and adapt to the

*(continued on page 2)*

### March Section Meeting

|                           |                                                                                                                                                                                                                                                                            |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Topic:</b>             | Building Programs and Friendships in Iraqi Kurdistan                                                                                                                                                                                                                       |
| <b>Speakers:</b>          | David E. Clough<br>Professor, Dept of Chemical and Biological Engineering at University of Colorado, Boulder                                                                                                                                                               |
| <b>Date:</b>              | Tuesday, March                                                                                                                                                                                                                                                             |
| <b>Time:</b>              | 6:00 Check-in and Networking<br>6:30 Dinner<br>7:30 Presentation                                                                                                                                                                                                           |
| <b>Location:</b>          | Hotel VQ<br>1975 Mile High Stadium Circle                                                                                                                                                                                                                                  |
| <b>Menu:</b>              | South Western Corn Salad, Mixed Green Salad & Creamy Cilantro Dressing, Refried Beans, Tomato Rice, Fajita Style Beef or Grilled Chicken, Taco Bar, Corn and Flour Tortillas, Flan, and Sopapillas with Honey. Includes assorted rolls & coffee, decaf, herbal or Iced tea |
| <b>Cost:</b><br>(w/RSVP)* | Members: \$20<br>Non-Members: \$25<br>Students & Unemployed: \$10                                                                                                                                                                                                          |

**Please RSVP by NOON on Friday, March 14<sup>th</sup>,** indicating your name, phone number, number of attendees. Please RSVP at [rockyaiche@yahoo.com](mailto:rockyaiche@yahoo.com) and pay at the meeting. You may also RSVP and pay online using the PayPal link on the website, <http://rockymtn.aiche.org>.

\*Add \$5 for attending meeting without RSVP

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engineering needs of an emerging society. This description will include curriculum design for two degree programs, design and construction of instructional laboratory facilities, and staffing of the engineering faculty. He will add some interesting observations of Kurdish society and culture.



David Clough has been on the faculty at CU-Boulder for 40 years. His research interests are in control system innovation for a wide variety of processes. He teaches courses from freshman- to graduate-level in the topical

areas: instrumentation, process control, applied statistics, fluid mechanics and computing. For 25 years, he has presented over 100 offerings of short courses on spreadsheet problem-solving for ChEs on behalf of the AIChE, both in-person and online. For the past eight years, Dr. Clough has served as the Boulder Campus' Faculty Athletics Representative (FAR) with oversight of intercollegiate athletics. His appointment as FAR is 50% time, and he represents CU-Boulder to the NCAA and Pac-12 Conference. Since 2010, Clough has assisted the American University of Iraq – Sulaimani in the creation of a new engineering program.

## BE A JUDGE AT THE STATE SCIENCE FAIR

State Science Fair time is fast approaching. Judging will occur on April 10, 2014. If you aspire to participate in the next "America's got Science Talent", this is the job for you. Contact Michael Mutnan at [mmutnan@juno.com](mailto:mmutnan@juno.com) for more information.

We are classified as "Special Judges" since we focus on Chemical Engineering related projects. Awards (monetary and certificates) are given to 1<sup>st</sup> and 2<sup>nd</sup> Place in the Senior and Junior High Divisions. We also invite the winners to be our guests at one of our meetings.

The science fair group must be informed who our judges are by March 1 for inclusion into a "Judges Database". Once on the list, you will receive a packet with particulars, and more importantly, a badge that gets you into the judging area.

Michael can access the database for late inclusions. Last year badges were issued to judges not on our list, so a last minute decision seems to be OK.

Due to renovations at the CSU Student Center, the competition will be held at the Hilton Hotel on Prospect Road in Fort Collins. The hotel is on the south side of the campus.

In the past parking was available at the CSU Equestrian Center for judges. This included bus service to campus. I have not heard from the Science Fair staff what arrangements will be this year. I have been to meetings at this Hilton and its' parking lot fill up very quickly.

Judging is held 12:15 p. m. to 5:00 p. m. A short meeting occurred in the past at around 11:00 a. m. with lunch (pizza and drinks). Again, no word on what will occur this year.

In spite of all of this, you can look forward to a very rewarding day. The competition has always been fierce.

COME AND PARTICIPATE, YOU WILL ENJOY IT.

# AICHE Meetings

## 2014

|              |                                                                                               |
|--------------|-----------------------------------------------------------------------------------------------|
| Mar 16-19    | 4th Int'l Conference on Stem Cell Engineering Coronado Island Marriott Resort Coronado, CA    |
| Mar 28-30    | 2014 Rocky Mountain Student Regional Conference University of Utah                            |
| Mar 30-Apr 3 | 2014 Spring Meeting and 10th Global Congress on Process Safety Hilton New Orleans – Riverside |
| June 15-19   | Metabolic Engineering X Westin Bayshore Vancouver, B                                          |

### National AIChE Contact Info

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## *Rocky Mountain AIChE Officers*

|                     |                         |                                                            |
|---------------------|-------------------------|------------------------------------------------------------|
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| Crystal Smalley     | Treasurer               | 303/ 353-3726                                              |
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Rocky Mountain AIChE News is published eight times a year by the Rocky Mountain section of AIChE. Opinions expressed herein are those of the authors and are not necessarily those of AIChE nor the officers of this section.

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.

## **Rocky Mountain AIChE News**

### **Publication Schedule**

April 2014 issue

Articles due Wednesday, April 2<sup>nd</sup>

Publish on Friday, April 4<sup>th</sup>

Meeting on Tuesday, April 15<sup>th</sup>

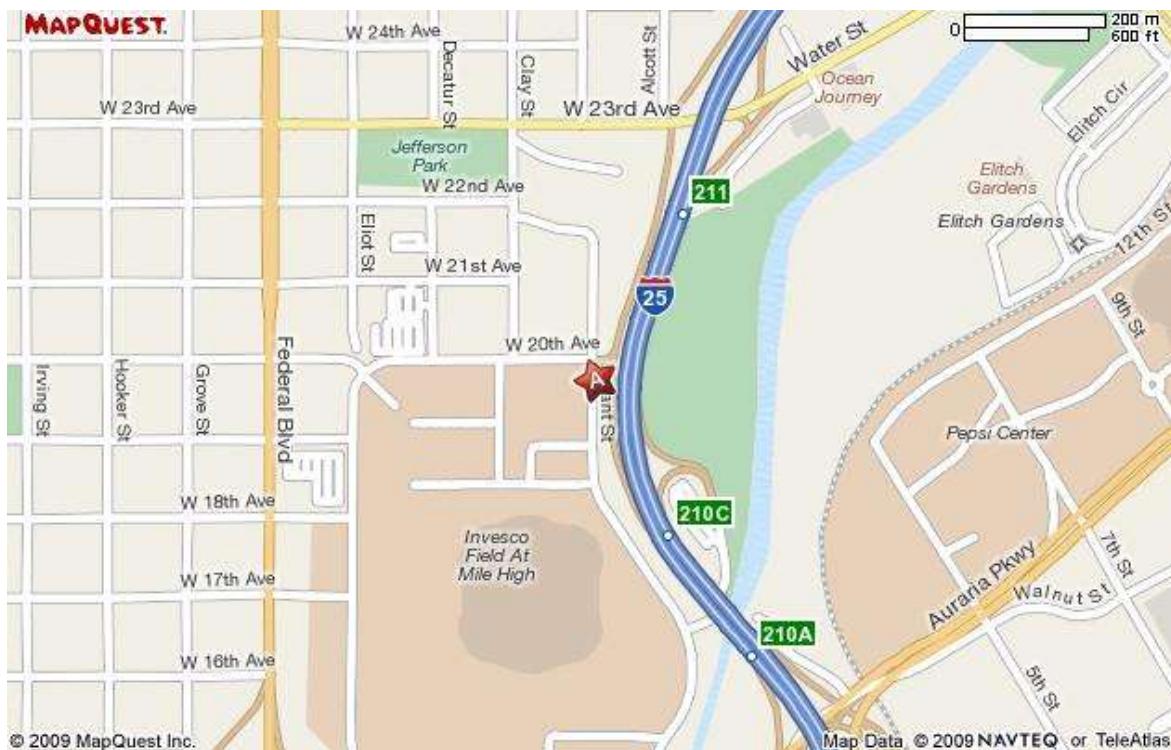
## **MEETING SCHEDULE**

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

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**Northbound on I-25, take exit 210C toward 17th. Turn right at Bryant Street and look for destination on right.**

**Southbound on I-25, take the US85/US6 exit, then a slight left at Bryant St. and look for destination on the left.**