

## CACHE Turns 50

Upcoming conference to celebrate



### Invitation: Future of Cyber-Assisted Chemical Engineering Education

All former CACHE trustees, CACHE collaborators and project participants, as well as all interested in discussing future developments in chemical engineering education are welcomed. Please access registration and housing information at [cache50th.org](http://cache50th.org).

### CACHE History

On July 14, 1969 the proposal founding the Computer Aids for Chemical Engineering Committee was submitted to the NSF, and the first official meeting of the CACHE organization was held on November 18, 1969 in Washington DC. From its inception, CACHE has promoted the development and distribution of technology-based materials and software in chemical engineering education through projects applying computational chemical engineering, sponsoring conferences, recognizing outstanding contributions, and providing leadership in chemical engineering education.

The 50-year anniversary of the founding of CACHE provides an opportunity to review and celebrate the accomplishments of CACHE over this period, but more importantly to look forward to the future. The primary goal of this conference is to bring together leaders in the chemical engineering discipline to explore and discuss future directions: hence the theme “the Future of Cyber-Assisted Chemical Engineering Education.” The program will include presentations by CACHE leaders, current and past, highlighting the accomplishments and reviewing current thrusts of CACHE in educational products and conferences. It will feature five plenary speakers offering their views of important directions in cyber-assisted education. It will involve sessions of invited oral and poster presentations by outstanding young faculty who are innovating in the development of educational media, exploring novel ways of organizing student-instructor interactions to enhance learning, and experimenting with alternative knowledge delivery modes. These innovations promise to have impact across the chemical engineering curriculum at all degree levels.



### Conference Venue: Beaver Run Resort | Breckenridge, Colorado

Located in the heart of the Rocky Mountains, the venue offers modern conference facilities for the technical program. Beaver Run makes available a wide range of accommodations from hotel rooms to condominiums. The town of Breckenridge offers a wide range of restaurants, pubs, and shopping—all accessible within a few minutes walk.

## **Conference Program**

### Friday, July 19

2:00 Conference Opening: Wayne Bequette, CACHE President

2:15 Review of CACHE Accomplishments

- Warren Seider & Brice Carnahan
- Larry Evans
- Tom Edgar

3:45 Break

4:00 Current CACHE Initiatives

- Systems Biology: Frank Doyle
- Molecular modeling: Peter Cummings
- Process systems: Richard Braatz (MIT)

5:30 Reception and Poster Session (and display of CACHE memorabilia)

6:30 Casual Dinner

### Saturday, July 20

8:30 Future Directions in Cyber-Enabled ChE Education

- Eva Sorensen (University College, University of London)
- Tom Adams (McMaster University)
- Richard Turton (University of West Virginia)

10:00 Break

10:30 Future Directions in Cyber-Enabled ChE Education

- Linda Broadbelt (Northwestern University)
- David Beck (University of Washington)

11:30 Panel Discussion

12:30 Lunch

1:30 Innovation Forum (short presentations by invited young faculty)

3:10 Break

3:40 Innovation Forum (short presentations by invited young faculty)

5:20 Adjourn

6:30 Reception and Posters (and display of CACHE memorability)

7:30 Conference Banquet

Speaker: John Anderson, President-elect NAE

## **Conference Planning Committee**

- Peter Cummings (Vanderbilt University)
- Frank Doyle (Harvard University)
- Tom Edgar (University of Texas, Austin)
- Mike Henson (University of Massachusetts, Amherst), CACHE Executive Director
- Sang Kim (Purdue University, past Trustee)
- Rex Reklaitis (Purdue University) Committee Chair
- Warren Seider (University of Pennsylvania)
- Jeff Sirola (Eastman Chemical, retired)

## **Conference Co-chairs**

Rex Reklaitis (Purdue University)

Wayne Bequette (Rensselaer Polytechnic Institute)

## **Conference Information Center**

Robin Craven, Conference Manager

Email: [CACHE50@1825richland.com](mailto:CACHE50@1825richland.com)