

Periodic Tabloid

Chemistry and Chemical Engineering Division at Caltech

Vol 4, No 4, Fall/Winter 2012-13

CCE holds its 2nd Safety Training Day

The CCE Safety Committee organized its second Division-wide safety training event, with the assistance of the Caltech Safety Office, for the protection of CCE scientists and resources.

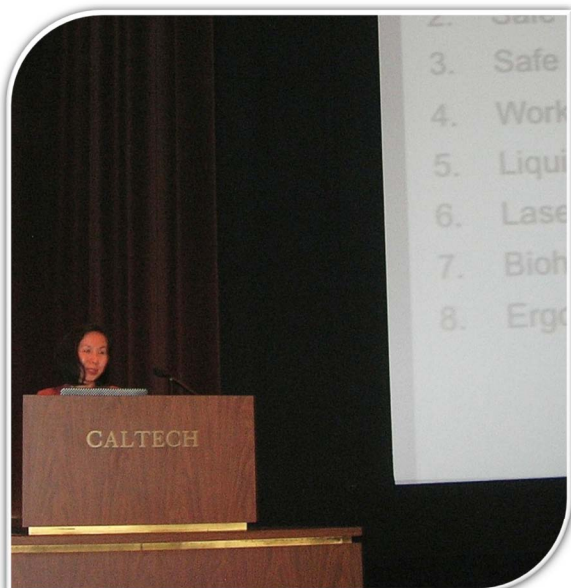
CCE Division's second Safety Training Day took place on November 16th, 2012. The afternoon event was organized by the Division's Safety Committee, whose present chair is Linda Hsieh-Wilson, Professor of Chemistry and Investigator, Howard Hughes Medical Institute and the Environment Health and Safety Office. About 400 people attended.

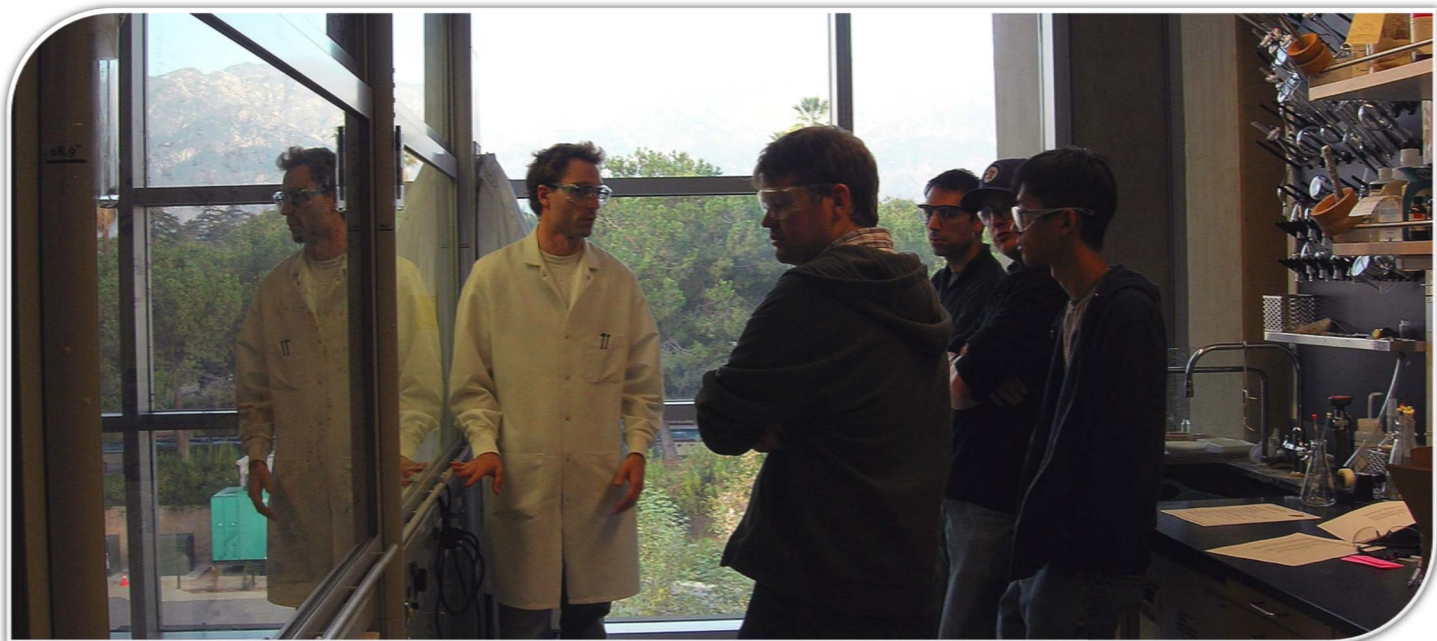
The afternoon started with a safety seminar and panel discussion at the Beckman Auditorium. On the panel were John Bercaw (Chemistry), Richard Flagan (Chemical Engineering), Robert Grubbs (Chemistry), Andre Hoelz (Chemistry), Caz Scislowicz (Director, EH&S), Scott Virgil (Chemistry), Dan Weitekamp (Chemistry), and Jay Winkler (Chemistry). Linda Hsieh-Wilson

[Continued on Page 2](#)

Dr. Frances Arnold receives the National Medal of Technology and Innovation

Frances H. Arnold, Dick and Barbara Dickinson Professor of Chemical Engineering, Bioengineering and Biochemistry, "has been named one of 11 inventors who are the recipients of the 2011 National Medal of Technology and Innovation." President Barack Obama presented Dr. Arnold with the medal on February 1 in a ceremony in the East Room of the White House.





Continued from Page 1

explained the purpose of the event, giving details of the sessions to follow. Her presentation included subjects such as personal protective equipment (eye protection, lab coats, gloves, ... etc.), maintaining a safe work environment, Fire Department inspection issues, understanding the hazardous properties of chemicals, chemical storage and laboratory housekeeping, and chemical disposal. She explained the levels of responsibility, from individual researchers to the Institute as a whole, giving examples of how to avoid potentially hazardous situations and how to respond to accidents. Following her presentation, Division Chair Jacqueline K. Barton presented the guest speaker Andrew Liveris, Chairman and CEO of The Dow Chemical Company. His seminar was followed by individual contributions from panel members concerning their areas of expertise.

Eight breakout sessions followed the panel discussion, of which each scientist was required to attend three. The sessions included: 1. General Safety: fire extinguishers, emergency showers, 2. Safe Practices in Industry (Dow Chemical Company), 3. Safe Handling and Disposal of Chemicals, 4. Working with Pyrophorics, 5. Liquid

Continued on Page 3



More CCE Faculty Awards

- **John E. Bercaw**, Centennial Professor of Chemistry, has been selected to receive the 2012 Tolman Medal. The Tolman Medal is awarded each year by the Southern California Section of the American Chemical Society in recognition of outstanding contributions to chemistry.



- **Sarah E. Reisman**, Assistant Professor of Chemistry, has been named a 2013 Eli Lilly grantee. She has also received the 2012 Novartis Early Career Award in Organic Chemistry, which "is presented annually to outstanding scientists within 10 years of having established an independent academic research career, in the areas of organic or bioorganic chemistry in the broadest sense. Two winners are identified, from the Global Research community, each of whom receives an unrestricted research grant."

- **Jacqueline K. Barton**, Arthur and Marian Hanisch Memorial Professor and professor of chemistry and chair of the Division of Chemistry and Chemical Engineering at Caltech, has been elected to membership in the Institute of Medicine (IOM), one of the highest honors in the fields of health and medicine. Dr. Barton joins CCE colleagues Drs. Frances Arnold, Mark Davis, David Tirrell, and Peter Dervan.



- **André Hoelz**, Assistant Professor of Chemistry, has received the 2012 Kimmel Scholar Award, which was "created to advance the careers of gifted, young scientists involved in cancer research" and is given to "talented cancer researchers for demonstrating the greatest promise and innovation in their work."

Continued from Page 2

Nitrogen and Vacuum/Schlenk Line Hazards, 6. Lasers, Cryogenics, and Electrical Hazards, 7. Biohazards and Safe Biochemistry Techniques, and 8. Ergonomics.

The afternoon event concluded with a Division-wide social gathering with dinner and drinks served on the Beckman Institute lawn, as well as raffle drawings.



CCE welcomes its first year graduate students

On September 24th, 2012, CCE faculty, staff, and students, were invited to a pizza welcome luncheon for the incoming graduate students of the academic year 2012-13. The luncheon was held at noon in the courtyard of the Schlinger Building. The following graduate students have just joined the CCE Division:

Chemistry

Shoshana Bachman
Kelvin Bates
Adam Boynton
Kelly Burke
Kayla Busby
Joshua Buss
Taryn Campbell
Lauren Chapman
Un Seng Chio
Crystal Chu
Andrew Clark
Nicholas Cowper
Matthew Davis
Trevor Del Castillo
John Gomez
Jacob Hedelius
Yu-Hsien (Giselle)
Hwang Fu

Anupama Khan
Katerina Korch
William Letsou
JingXin Liang
Elizabeth Lunny
Victor Mak
Stephen Marshall
Benjamin Matson
Camille McAvoy
Amy McCarthy
Mark Nesbit
Michiel Niesen
Elizabeth O'Brien
Dorothy Pan
Beau Pritchett
Tanvi Ratani
Matthew Smarte
David Walton
Hyun Gi Yun

Chemical Engineering

Omokalade Adebowale
Stephen Brand
Brian Chmielowiec
Michelle Dee
Isaac Fees
Luke Harrison
Yufeng Huang
Michael Ignatowich
Yuewei Lucy Ji
Joey Kim
Emily Lin
Rachel Liontas
Kevin Marshall
William Napier
Marat Orazov
Nicole Peck
Karthik Ramachandran
Travis Schlappi

Kevin Shen
Michael Srienc
Sho Takatori
Yong Wu

Biochemistry

Katherine Brugman
Wen Chen
Chris Frick
Yonil Jung
Kyle Lakatos
Dan Piraner
Andy Zhou



CCE Fiscal Manager Cece Manoochehri retires

On January 25th, 2013, CCE faculty, staff, friends from other departments, and past retirees were invited to the Athenaeum for a celebration of Cece Manoochehri's retirement after more than 40 years at Caltech. Division Chair Jacqueline K. Barton, Professor Peter B. Dervan, Division Administrator Judy Stanton, and Associate Vice President Research Administration Richard P. Seligman spoke about Cece's contributions and history at Caltech. Dr. Barton emphasized the sense of family in the Division and said to Cece, "Don't forget to call home!" Cece was presented with gifts from CCE and from her friends at Caltech. There were over 150 people in attendance, including Cece's husband and two sons, and the three retirees from last year: Tom Dunn, Jack Guledjian, and Chris Smith. The five grant managers whom Cece had supervised performed a humorous song expressing how much they would miss her, wearing the scarves she had knit for them. Another co-worker Elyse Garlock read some cleverly re-worded poetry. There was a slide show that was prepared by her son Ben, which also made everyone laugh. The afternoon was upbeat and warm, reflecting Cece's personality in every respect.



More CCE Staff News

Amy Woodall-Ojeda joined the Division on December 3, 2012 as the new Assistant to the Chair. Amy transferred to CCE from the Office of General Council at Caltech. Division Chair Dr. Jacqueline Barton thanked Maureen Renta for all her great work in serving the Division as Assistant to the Chair. Maureen will continue in the Division as administrative assistant in Dr. Barton's research office. Dr. Barton said, "As I think you all know, she has been an essential help to me in carrying out the responsibilities of the Chair's office, and I owe her so much for her great service."



After months of searching, CCE Division Administrator Judy Stanton was pleased to report that she had finally filled the position held for many years by Tom Dunn. Jeff Groseth joined the Division as our new Instrumentation Specialist on Monday, November 12, 2012. Jeff comes to us from Astrophysics where he has worked since 1998 assisting staff and graduate students in building scientific apparatuses for the Caltech Submillimeter Observatory. Jeff's experience includes analog and digital circuit design, circuit and mechanical assembly, and vacuum systems.



Tuyen Dang has just taken the position of CCE's Sponsored Research Manager recently vacated as a result of Cece Manoochehri's retirement. Tuyen has also welcomed her second daughter Madeline Jue, who was born on Friday, Sept. 28, 2012 at 11:23pm. She was 6.46 lbs and 19 inches. Tuyen's first daughter Emma is very excited about her new little sister.



CCE Holiday Party, December 7, 2012



Alison Ross receives first prize at Caltech's "Art on your own Time"

Alison Ross, who is in charge of the Biochemistry option graduate records, has received the Grand Prize at Caltech's eighth annual "Off the Clock: Art on Your Own Time" Exhibit, which was held in Dabney Lounge on February 12th-14th. Attendees were asked to vote for their favorite artists in each of thirteen categories. Alison won the votes for the Ceramics/Pottery category, as well as the grand prize for the greatest number of popular votes. A reception was held in Dabney Garden on Thursday, February 14th to acknowledge the winners in each category.



Periodic Table
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Published quarterly by the
Division of Chemistry and Chemical Engineering
at the
California Institute of Technology
1200 E. California Blvd.
Mail Code 164-30
Pasadena, CA 91125

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