



華美化學與化工學會
Chinese-American Chemical Society
(CACCS)

Chinese-American Chemical Society (CACCS) 30th Anniversary Symposium

***The Future of Chemical Sciences and Its Impact on
the Careers of Chemists and Chemical Engineers***

A Symposium Co-sponsored by
ACS Division of Professional Relations

2:00 pm – 5:00 pm

Monday, March 28, 2011

Anaheim, CA

www.cacshq.org

The CACS 30th Anniversary Symposium
will be followed by a Dinner Banquet
5:30 pm – 9:30 pm
at
Seafood Kingdom Chinese Restaurant
9802 Katella Ave
Anaheim, CA 92804
(714) 636-0398

www.seafoodkingdom.com

(Banquet Tickets at \$35 available at ACS registration or onsite)

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The Future of Chemical Sciences and Its Impact on the Careers of Chemists and Chemical Engineers

2:00 pm – 5:00 pm
Monday, March 28, 2011
Anaheim, CA

Program at a Glance

Session 1. Chaired by Lubo Zhou and Ling Ye

- 2:00 – 2:10 **Introductory Opening Remarks**
Professor Yinlun Huang, Chair of CACS Board of Directors
Dr. Nancy Jackson, President of American Chemical Society
Professor Long Lu, Executive Director and Associate Secretary General of Chinese Chemical Society
- 2:10 – 2:40 **“CACCS and globalization”**
Dr. Norman Li, Ph.D., D.Sc., NL Chemical Technology, Inc., 475 Business Center Drive, Mount Prospect, IL 60056
- 2:40 – 3:10 **“Trends in chemical research: Complex systems and global collaborations”**
Professor Sunney Chan, PhD, California Institute of Technology, Division of Chemistry and Chemical Engineering, 1200 California Boulevard, Pasadena, CA 91125 and Academia Sinica, Institute of Chemistry, Taiwan
- 3:10 – 3:30 Social break

Session 2 Chaired by Shaw Huang and Chu-An Chang

- 3:30 – 3:50 **“My professional journey into the 21st century”**
Dr. Marinda Wu, DIRECTOR-AT-LARGE, Ph.D., American Chemical Society, Board of Directors, 8 Valley Court, Orinda, CA 94563
- 3:50 – 4:10 **“Some perspectives on opportunities for chemists and chemical engineers in China”**
Professor Long Lu, Secretary General of CCS, Ph.D., Chinese Academy of Sciences, Shanghai Institute of Organic Chemistry, 345 Lingling Lu, Shanghai, Shanghai 200032, China
- 4:10 – 4:30 **“Leadership and change”**
Professor Phoebe Dea, Associate Dean, PhD, Occidental College, Chemistry, 1600 Campus Road, Los Angeles, CA, 90041
- 4:30 – 4:50 **“Chinese-American chemists are vital bridges between the vibrant chemical community in China and the outside world”**
Professor Binghe Wang, Ph.D., Department of Chemistry, Georgia State University, Atlanta, GA 30302
- 4:50 – 4:55 **Concluding Remarks**

Program and Abstracts

Session 1. Chaired by Lubo Zhou and Ling Ye

2:00 – 2:10 **Introductory Opening Remarks**

Professor Yinlun Huang, Chair of CACS Board of Directors
Dr. Nancy Jackson, President of American Chemical Society
Professor Long Lu, Executive Director and Associate Secretary General of
Chinese Chemical Society

2:10 – 2:40 **“CACCS and globalization”**

Dr. Norman Li, Ph.D., D.Sc., NL Chemical Technology, Inc., 475 Business
Center Drive, Mount Prospect, IL 60056

Abstract: The speaker was a former chairman of the CACS board for many years. He is a member of the Chinese Academy of Science in China, Academia Sinica in Taiwan, and the National Academy of Engineering of USA. He worked at Exxon, UOP, and Honeywell. He is presently the founding president of NL Chemical Technology, Inc. which focuses on the development of advanced membranes and processes for water treatment and seawater desalination.

He will first talk about the history of CACS and his experience of serving the Society as its board chair. He will then discuss the future growth of the Society as he sees it. The discussion will include his views based on his industrial experience on globalization, education, and future career opportunities for chemists and chemical engineers.

2:40 – 3:10 **“Trends in chemical research: Complex systems and global collaborations”**

Professor Sunney Chan, PhD, California Institute of Technology, Division of Chemistry and Chemical Engineering, 1200 California Boulevard, Mail Code: 127-72, Pasadena, CA 91125 and Academia Sinica, Institute of Chemistry, Taiwan

Abstract: Professor Chan is a prominent chemical scientist dedicated in teaching and research on the structure and function of membrane proteins at California Institute of Technology. In 1997, he went to Taiwan to be the Vice President of Academia Sinica, and helped to build a world-class center for research in chemistry and chemical biology. Professor Chan has served twice as the Associate Editor of the prestigious *Journal of The American Chemical Society* and also as editorial board member of several premier international journals, including the *Journal of Biological Chemistry*. In this talk, Prof. Chan will share his perspectives and visions of chemical research around the globe and offer career development advice to chemists and chemical engineers.

3:10 – 3:30 Social break

Session 2 Chaired by Shaw Huang and Chu-An Chang

3:30 – 3:50 **“My professional journey into the 21st century”**

Dr. Marinda Wu, DIRECTOR-AT-LARGE, Ph.D., American Chemical Society, Board of Directors, 8 Valley Court, Orinda, CA 94563

Abstract: Due to the Korean War, I was born in Pasadena, California instead of Beijing, China. Growing up in a traditional academic Chinese family influenced my life

direction. After earning my chemistry Ph.D. from the University of Illinois, I was the first in my family to venture into industry.

I share my professional journey over the last forty years as an ACS member. My early dreams included becoming a scientist or ambassador. Challenges as an Asian American woman strengthened my leadership skills. In ACS governance, I served in various local section leadership roles before getting elected to Council and eventually the ACS Board of Directors.

Today as a Board member for both the American Chemical Society and Chinese-American Chemical Society, I hope to recruit more global "ambassadors" for science. Career highlights illustrating the impact of destiny and determination will be shared as well as recent employment data for chemical professionals.

3:50 – 4:10 ***“Some perspectives on opportunities for chemists and chemical engineers in China”***

Professor Long Lu, Secretary General of CCS, Ph.D., Chinese Academy of Sciences, Shanghai Institute of Organic Chemistry, 345 Lingling Lu, Shanghai, Shanghai 200032, China

Abstract: Highlights of some personal career experiences and insights will be shared. In addition, some perspectives on opportunities for chemists and chemical engineers in China will be covered in view of many advances from the past decade and much progress projected for the future.

4:10 – 4:30 ***“Leadership and change”***

Professor Phoebe Dea, Associate Dean, PhD, Occidental College, Chemistry, 1600 Campus Road, Los Angeles, CA, 90041

Abstract: Things are constantly changing, like a kaleidoscope, both inside and around us, providing exciting but challenging opportunities. Harvesting these opportunities requires leading and managing those changes. What are leaders, leadership, and effective leadership? How do we map our career to become a leader, and focus on our career yet finding a balance in our lives? What are the barriers we must overcome? These issues will be discussed in terms of planning and leading change, given the background of a woman Chinese-American chemist.

4:30 – 4:50 ***“Chinese-American chemists are vital bridges between the vibrant chemical community in China and the outside world”***

Professor Binghe Wang, Ph.D., Department of Chemistry, Georgia State University, Atlanta, GA 30302

Abstract: It is well recognized that China is a powerhouse in supplying the world's chemical workforce. However, significant issues remain in integrating this workforce into the global community. This presentation will highlight ways that Chinese chemists in the US can help in bridging existing gaps and bringing positive changes to the overall Chinese chemical community.

4:50 – 4:55 **Concluding Remarks**



華美化學與化工學會
Chinese-American Chemical Society
(CACSA)

CACSA 30th Anniversary Celebration Continues

Chinese-American Chemical Society Dinner Banquet

5:30 pm – 9:30 pm

Monday, March 28, 2011

at

Seafood Kingdom Chinese Restaurant

9802 Katella Ave
Anaheim, CA 92804

(714) 636-0398

www.seafoodkingdom.com

Tentative Banquet Program

- 5:30 – 6:30 Social Hour
- 6:30 – 6:45 Welcome Remarks and Introduction of CACSA and CACSA Officers/Directors present
- 6:45 – 7:00 ACS updates and introduction of ACS Guests
- 8:00 – 9:00 Historical recollection and perspectives from founders, past presidents, members of the board of directors, and long-time members and friends of CACSA

Dinner Banquet Tickets at \$35 are available
at ACS online registration or onsite