

CACS

華美化學與化工學會

Chinese American Chemical Society

Communications

會刊



Keynote Speakers & CACS Leadership at CACS 25th Anniversary Symposium



Great Lake Symposium



Great Lake Picnic



Tri-State New Year Party



Tri-State Symposium

Spring, 2011

<http://www.cacshq.org>

CACS Leadership

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Founded in 1981, the Chinese-American Chemical Society (CACS) is a nonprofit, professional organization and has neither national nor regional political affiliation. Membership is open to professionals and students in chemistry, chemical engineering, and related fields, and to individuals and corporations supporting the objectives of the society. Currently, CACS has a total of 3 local chapters in North America. The Great Lake Chapter covers Midwest states that include Illinois, Indiana, Iowa, Minnesota, Michigan, Ohio, and Wisconsin. Tri-State originally included New York, New Jersey, and Connecticut. Recently it refers to New Jersey, New York, and Pennsylvania. Members of Tri-State CACS are actually from New Jersey, New York, Connecticut, Pennsylvania, and Delaware. The Tri-State area has the largest population of Chinese American chemists, biochemists, and chemical engineers and is the hot bed of pharmaceutical and chemical research and industry. Established in 2007, Southwest CACS (SWCACS) serves its members reside in the Western United States and the Gulf Coast region, which is the center of the U.S. petrochemical and energy industries. SWCACS fulfills its purposes through locally organized professional development programs and regular networking/social activities, including career development and technical seminars, newsletters, student-poster contests, spring and fall member picnics. SWCACS helps sponsor local high school student programs such as Science Olympiad and Academic Decathlon as a way of showing support to the local community as well as providing students with the opportunity to be exposed to the fields of science and engineering.



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

Chairman's Message

As you all may have known, this year is the 30th Anniversary of the CACS. There are tens of thousands of chemists and chemical engineers of Chinese heritage in this country. Our Society is the only Chinese-American organization in the field of chemistry and chemical engineering in the U.S. that is recognized officially by both ACS and AIChE. Over the past three decades, the Society has very actively promoted communications among the members and other professionals and interactions with many other scientific communities. We appreciate all the members and participants for their help, support and contribution for a stronger society.

This year, we will have two major celebration events. The Board has already appointed Dr. Lubo Zhou, a board member, and Dr. Longqin Hu, the president for this year, to be in charge of the events. The first celebration will be held in Anaheim, CA, on March 28 during the ACS Spring National Meeting. In the technical symposium, distinguished scholars will address the future of chemical sciences and its impact on the careers of chemists and chemical engineers. Another celebration will be held during the AIChE Annual National Meeting in Minneapolis, MN, in mid-October. You will find more detailed information about the events. We would like to invite you all to join us for the celebrations.

In the past year, the CACS organized a number of very successful activities, under the leadership of Dr. Lubo Zhou. We appreciate Dr. Zhou for his great efforts as the president in 2010. This year, we have Dr. Longqin Hu as our president. Dr. Hu is Professor of Medicinal Chemistry at Rutgers University School of Medicine. He received BS in Pharmacy in 1984 and MS in Medicinal Chemistry in 1987, all from The Second Military Medical University in Shanghai, China. Subsequently, he received his Ph.D. in Medicinal Chemistry from University of Kansas in 1993.

CACS will play an increasingly important role in our Chinese-American chemical and chemical engineering community. Its further development is greatly hopeful, but needs to have our tremendous effort. To improve the membership is one of the major tasks in this regard. We hope to see more and more people to join us.

We are looking forward to seeing you all joining our events during the spring national meetings of ACS in Anaheim and AIChE in Chicago in the coming March!

Yinlun Huang

Chair of the CACS Board, 2011

President's Message

I am honored to serve as the President of Chinese-American Chemical Society (CACS) in the year that marks the Thirtieth Anniversary of the founding of CACS. On behalf of CACS leadership team, I invite you to join us in the celebration of our 30-year history and to recruit new members to join our society.

To mark the 30th Anniversary of CACS, the board established a *CACS 30th Anniversary Symposium Organizing Committee* chaired by our immediate past president Dr. Lubo Zhou. The committee is planning a series of activities in addition to the traditional four annual dinner events at the Annual ACS and AIChE meetings. The first of these activities is a half-day symposium entitled "*The Future of Chemical Sciences and Its Impact on the Careers of Chemists and Chemical Engineers*" to be held in the afternoon of Monday, March 28, 2011 during the 241st ACS National Meeting in Anaheim, CA. Five prominent chemists and chemical engineers will present their perspectives and visions of where chemical sciences are going and how we can adapt to the changes and rise to the challenges and opportunities in the new decade. The 30th Anniversary Symposium will be followed by a Dinner Banquet at the Seafood Kingdom Chinese Restaurant at 9802 Katella Avenue, Anaheim, CA. As part of the 30th Anniversary CACS celebration, CACS founders, past CACS presidents, and some members of the CACS Board of Directors and long time members are invited to share their fond memories of founding CACS and the 30-year history and to offer advices and perspectives to our members. Please refer the program details in this newsletter for more information about the 30th Anniversary Symposium and the Dinner Banquet during the ACS Spring 2011 National Meeting in Anaheim, CA.

A similar celebratory symposium and a dinner banquet are being planned for the 2011 AIChE Annual Meeting in Minneapolis, MN in October. More information about this symposium at the AIChE meeting and other planned activities will be available at a later date.

As a volunteer-based, non-profit professional organization, CACS provides networking and career development opportunities for our members and forums for addressing the common interests and concerns of Chinese-American chemical professionals. I encourage you to volunteer and to help support our programs. I am looking forward to your active participation in our activities.

Longqin Hu

President of CACS, 2011

CACS 30th Anniversary Celebration Event

Lubo Zhou

Celebration Organizing Committee Chair

Year 2011 is the 30-year anniversary for the Chinese-American Chemical Society (CACS). 30 years ago, per the request of the American Chemical Society (ACS) and the American Institute of Chemical Engineers (AIChE), a group of Chinese-American chemists and chemical engineers started up CACS in the United States of America. Today, this organization has developed to be the most influential organization for the Chinese-American chemists and chemical engineers in USA. It is the only Chinese-American organization that has official ties with both ACS and AIChE. When we look back, there are a lot of memorable events that happened in this organization. We are very proud of what we have done so far.

In order to better prepare for the celebration, a celebration committee was chartered under the CACS board last year. I was fortunately named to be the committee chair. Additionally three honorable chairs were selected for the committee. They are: Dr. Norman Li, Dr. Yinlun Huang, and Dr. Shaw Huang who was the chair for CACS' 20-year anniversary celebration. Dr. Longqin Hu and Dr. Lin Li were selected as the vice chair. The committee also included many distinguished Chinese-American chemists and chemical engineers. Other committee members are: Chu-An Chang, John Chen, Kristine Chin, Marinda Wu, Ralph Yang, Ling Ye, Scott Zhang, Frank Zhu, and all local Chapter chairs for CACS.

Four major activities were planned for the 30-year anniversary celebration. On March 28, 2011, the celebration will be kicked off at the ACS spring meeting in Anaheim, California where CACS and ACS will co-sponsor a symposium titled "The Future of Chemical Sciences and Its Impact on the Careers of Chemists and Chemical Engineers". After the symposium, a banquet will be hosted by CACS to conclude the Anaheim celebration. In June, 2011, CACS will publish a special issue of *CACS Communications* to celebrate the 30-year anniversary. The special issue will include articles from long time CACS members as well as members who joined CACS recently. Dr. Norman Li will write an article to introduce CACS' 30-year rich history. Three local chapter chairs from Tri-state, Great Lakes, and Southwest, respectively are invited to write articles to introduce their local chapters. There will be invitation articles on future chemical science and technology. On October 18, CACS and AIChE will co-host an afternoon

session- "The Future of Chemical Technology and Its Impact on the Careers of Chemical Engineers" at the AIChE annual conference in Minneapolis, MN. Our final activity will be a banquet hosted on November 10 in Beijing at the SINO-US Chemical Engineering conference. We will invite distinguished guests from both China and USA, as well as our members to celebrate the 30-year history of CACS.



Immediate Openings at NICE (National Institute of Clean-and-low-carbon Energy)

北京低碳清洁能源研究所

National Institute of Clean-and-low-carbon Energy is a national institute focused on energy R&D and is located in Beijing. NICE is funded by the Shenhua Group, one of the largest integrated energy companies. NICE is positioning to become a world-recognized institute in the field of clean & low-carbon energy, and is seeking qualified candidates with R&D and/or engineering experience in the following fields:

- Novel routes for conversion and upgrading of coal and biomass to fuels and chemicals
- Novel materials and systems for clean and low carbon energy applications
- State of the art coal power plant design, process optimization, and emission control
- CCS and CO₂ utilization including Enhanced Oil Recovery (EOR)
- Renewable energy and chemicals
- Energy storage

If you are interested in a rewarding career and challenging opportunity please visit our website www.nicenergy.com where you will find details on opportunities with us. To apply, please submit your CV and cover letter via our website, or send e-mail to Opportunities@nicenergy.com. For qualified candidates we offer internationally competitive salaries and benefits.



CACS 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

Disney's Paradise Pier Hotel

1717 S. Disneyland Drive

Anaheim, CA

Meeting Room: San Diego (2nd Floor)

Program and Abstracts

Session 1 Chaired by Lubo Zhou & 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 *CACS 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 & 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*

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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