



AICHE Orange County

NEWSLETTER OF THE ORANGE COUNTY SECTION, AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

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<http://www.iche-orangecounty.org>

June 2005

Orange County Meeting JUNE DINNER MEETING

Globalization and the Engineer -

What it Means. How to Survive.

How to Thrive.

Richard Haimann, P.E.

Tuesday, June 28, 2005

5:30 PM

Richard Haimann, P.E. will give a short dinner-time presentation about current trends caused by economic globalization and how they impact the engineering professional. He will discuss how the rapid movement of information, technology and capital across international boundaries is altering different local economic environments. He will explain how these changes affect the way engineering professionals prosper financially by adding value to this global economic system.

Mr. Haimann is an environmental engineer in Southern California with advanced degrees in engineering and business administration. He is operating his own firm, Sustura Environmental Solutions. He has completed projects in the United States, Eastern Europe, Central Asia, East Asia, and Australia. One current

area of specialization is helping customers identify, implement, and in some cases, commercialize technologies that improve environmental performance. This has led him to capture innovation from numerous nations for applications outside those nations.

Meeting Schedule:

5:30 p.m.	Social Hour
6:30 p.m.	Dinner
7:20 p.m.	Break
7:30 p.m.	After-Dinner Program

Place: Wyndham Garden Hotel, Costa Mesa

Directions: From Interstate 405, go north on Bristol Ave., right on Anton, left on Avenue of the Arts. The Wyndham is on the right at 3350 Avenue of the Arts, Costa Mesa.

Reservations: *Please make a reservation at (949) 261-2622 by voice by Friday, **June 24, 2005**. Or, you may email your reservation to west@research.ge.com.*

Cost: Members, \$20 with a reservation, \$25 at the door; Non-Members, \$25 with reservation, \$30 at the door; Students **Free** with reservation, \$5 at the door, Unemployed/Retired, \$5 with reservation, and \$10 at the door.

Starting with the month of January 2005, every third meeting a member attends is FREE with reservation



Legal Corner

“KEEPUS” Committee Status (Newsletter FY05-06)

Bob Katin

Politics is not fun to watch. PECG and CELSOC are opposed to recognizing ChE for what appears to be one and only one reason, turf. They are afraid that if we are recognized, it will take work away from them. Expecting trouble from PECG and CELSOC prior to the Engineering Board (BPELS) meeting of 13 MAY 05, I received an e-mail and a phone call from Jim Foley, PE, President of BPELS. He asked that I obtain letters from PECG members who do not favor the PECG written position of not recognizing ChE's. He also asked for PECG members who would testify at the meeting. I received 6 letters from PECG members working at CARB and two testified at the hearing. That had positive effect. We anticipate that Senator Figueroa will modify Senate Bill 246 (SB 246) to add words to recognize ChE's. SB 246 has passed through Senate Committees and a Senate vote just as a placeholder (or “spot bill”) with basically no words developed. To date, they decided that California will NOT recognize, quality, safety, corrosion, manufacturing, metallurgical, industrial, and agricultural engineering. SB 246 is now in the Assembly Business and Professions Committee (B&P), where we expect the words to be added to SB 246. When that happens, we expect a mass of letters from our opposition, PECG and CELSOC. They are very influential and appear to have stopped Senator Figueroa from taking action more than once already.

I need letters addressed to Senator Liz Figueroa (cc Bob Katin) that say three things: 1. Due to public health and safety, recognize chemical engineering as a practice. 2. Allow ChEs to overlap and conduct activities, which we consider to be chemical engineering, but by State law are defined to be the exclusive area of expertise of civil engineers. 3. Allow ChEs to be principals in charge of groups and projects.

Modifying the bill will require strong support from the marketplace. To do so, I need:

1. Letters on letterhead from major industrial companies, regulatory agencies, and associations. The letters need to be submitted in JUN 05. Contact me for a sample letter.
2. I need letters of support from organizations such as Sierra Club, Chamber of Commerce, WSPA, CMTA, IEA, etc in JUN 05 to maintain ChEs to protect public safety.
3. I need letters that say that regulators either require or prefer ChEs due to specific regulations or due to CCPS or other specific ChE books that become industry guidelines.
4. I need companies that have a lobbyist in Sacramento to identify to me their name and point of contact so that your lobbyist can work with the CLCPE lobbyist on a coordinated approach.
5. In JUN 05, I will need people from major companies willing to testify to say that their company wants the legal right to hire any consultant that they choose, rather than being told they have to hire a civil engineering firm. I currently have none.
6. If you know other ChEs, please let me know their name and e-mail address so I may count them as constituents. Another argument by PECG was there just aren't many ChEs in CA.
7. Please see the attached list of names of people that have either written or committed to write a personal letter or on company letterhead. If you have mailed a letter directly to Senator Figueroa but it is not indicated on the attached list, I do not have a copy. Without it, there is no record that Senator Figueroa has it. In fact, the senator's chief consultant asked me for a copy of all letters of support. If I do not have your letter, then neither will Senator Figueroa. Send me a signed copy.

Robert A. Katin, PE
Chair, California AIChE Government Relations Committee

IN REPLY PLEASE ADDRESS:

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STUDENT CORNER

Please contact the newsletter editor if you would like to publish any AIChE student chapter meeting summary or contribute any articles related to science/engineering.

Newsletter Contributors Wanted

The newsletter editor would like to hear from you if you have one or more brief articles to contribute, especially a review or brief discussion of a good website, technical book, etc.

Professional Engineering Employment Update

Our commitment to serving patients lies at the heart of Amgen's success. As the world's largest biotechnology company, we discover, develop, manufacture and market therapies upon which thousands of people rely. And thousands of highly committed individuals from across the professional spectrum are involved in the complex, multifaceted process that takes an idea out of the laboratory and lets us bring it, in the form of a needed therapy, to patients. Bring your sense of commitment to Amgen and be part of this extraordinary process. We currently have the following opportunity at our Thousand Oaks, CA facility.

Associate Scientist/Engineer, Sustained Release Pharmaceutics

Requirements:

The role of the Associate in Sustained Release Pharmaceutics department will be to:

- Provide engineering and scientific support for the development spray drying and spray freezing processes for the fabrication of sustained release microparticle formulations
- Design novel experimental equipment using CAD software
- Design and program computerized automation for laboratory and process equipment
- Utilize laser-based diagnostic tools, high-speed data acquisition, imaging systems and other particle diagnostic techniques to measure particle formation dynamics
- Manage the construction of equipment, interface

with suppliers and machinists, maintain laboratories

- Oversee and operate spray drying process equipment
- Perform particle characterization such as particle sizing, microscopy, calorimetry, vapor sorption, surface area determination and chemical analysis
- Design experiments and analyze data for formal written reports and oral presentations
- Willing to learn new experimental techniques and develop and document new methods

Qualifications

B.S. or M.S. in chemical or mechanical engineering, physical chemistry, physics or a related field, including 5-7 years of relevant work experience. Equipment design using CAD software required. Proven experience with building, operating and maintaining experimental equipment. Hands-on experience with laser-based systems, optics and high-speed data acquisition. Possess good laboratory and documentation practices. Experience in pharmaceutical development, proteins and peptides and sustained release drug delivery highly preferred. Good verbal and written communication skills required.

Amgen's outstanding compensation package features comprehensive benefits and relocation assistance. Come be a part of the big picture at Amgen. ***Interested candidates email resume to smaguire@amgen.com***

As an EEO/AA employer, Amgen values a diverse combination of perspectives and cultures. M/F/D/V

Job Seeking Members can receive a list of web sites of area companies that sometimes hire ChEs. Contact the Senior Member Everett Knell at EWKne1@aol.com to receive this list by e-mail. **Put "OCAICHE Company List" in the subject line of your email request.**

- ① If you have an employment opportunity in Southern California for a chemical engineer, the newsletter will advertise it for free.



2005 Orange County AIChE Officers

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Got Environmental Headaches?

- *Contaminated Soil & Ground Water?*
- *Health Risk Issues?*
- *Compliance Issues?*
- *Suing?*
- *Being Sued?*

We Can Help

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- *Negotiate with Agencies*
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DATED MATERIAL

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