



AICHE Orange County

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

No. 110

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

MAY 2003

MAY DINNER MEETING

Orange County and LA Chapters Joint Meeting – Students Night, Featuring Three Speakers

Wednesday, May 28, 2003
5:30 PM

Healthy Environment vs. Healthy Economy: An Opportunity for Chemical Engineers

AnnieLaurie Burke

The sound-byte version that the public hears implies we must choose one or the other. Chemical engineers don't accept this nonsense. We have a unique perspective that gives us the opportunity to have both a thriving economy and a clean environment, to the benefit of our employers and the public. Unlike the traditional civil engineer's approach to environmental problems -- stick on a control device at the end of the process -- chemical engineers know how to tweak the process to make it more productive and cleaner. We are also trained to see relationships among a variety of factors to a greater degree than practitioners of other disciplines. I will discuss some of my success stories, and some problems that up-and-coming ChE's will have the joy of solving.

AnnieLaurie Burke, Air Regulatory Specialist, Chevron Products Company, El Segundo Refinery nbnl@chevrontexaco.com. AnnieLaurie is the Secretary of the Southern California Section.

One Constant---Our Technique **Irwin B. Margiloff, P.E.**

Through a lifetime of varied employment, one thing has been constant in my experience: the continuing usefulness of the chemical engineer's technique.

That technique is simply to consider the problem in the broadest and most comprehensive sense. That, for instance, is what process engineering and process development are all about. But, applied to a host of problems, this technique enables a chemical engineer to attack problems, and to suggest solutions, that resist the efforts of other disciplines. This is no minor characteristic, but a core chemical engineering characteristic.

We need to make sure that the world values this, because it's in our best personal, economic and professional interest. I'll briefly review my experience as a chemical engineer, stressing how varied my employment has been and how consistently I have used to advantage the broad, systematic approach that is part of the equipment of all chemical engineers.

Irwin B. Margiloff, P.E., Margiloff & Associates, Duarte, California margiloff@compuserve.com. Irwin is the Chairman of the Southern California Section and a Fellow of AICHE.

Making a Successful Transition from School to Work

Dominic Meo III, P.E.

After four years of hard work, you are about to graduate with a degree in chemical engineering. You are excited about working full time as a real chemical engineer. Are you ready to make the transition from school to



work? This presentation will provide you with valuable insights into how companies work and will give you the information you need to succeed. You will learn why work is so fundamentally different from the school environment that you are leaving and why the adjustment to the work place could be much harder than you imagined. In addition, you will pick up valuable tips on how to succeed in your first year on the job, a very critical time in your career. This is a presentation you do not want to miss.

Dominic Meo III is a successful consulting engineer in the field of environmental engineering. He has over thirty years of professional experience as a working chemical engineer. In addition to a Masters degree in chemical engineering, he is a licensed Professional Engineer, holds two U.S. patents and is a Diplomat of the American Academy of Environmental Engineers. Mr. Meo has been working in southern California since 1982. During that time, he has worked as a project manager for five different companies and started two companies of his own. Currently, he operates his own consulting firm called Meo & Associates, located in Huntington Beach.

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: Petroleum Club, Long Beach

Directions: Take 405 south to Long Beach. Exit Long Beach Blvd north. Right turn onto 36th Street. Left turn onto Linden Avenue. Petroleum Club is 3636 Linden Avenue. For a map or general information about the club, go to their web page www.lbpetroleumclub.com.

Reservations: *Please make a reservation at (949) 261-2622 by voice by **Friday, May23**. Or, you may email your reservation to janice.west@ps.ge.com.*

Please specify your preference for either the main menu or the vegetarian menu when making your reservation.

Cost: Members, \$20 with a reservation, \$25 at the door; Non-Members, \$25 with reservation, \$30 at the door; Students/Unemployed/Retired, \$15 with reservation, and \$20 at the door.

Important Meeting Notice

- **June meeting will be FREE for all members and students**
- **Starting with the month of June, every third meeting a member attends is FREE**

Southern California AIChE Meetings

The section for the LA area normally meets every 3rd Tuesday at the Quiet Cannon in Montebello. For reservations call (800) 274-3847. Visit their web site for the latest information www.geocities.com/aiche_sc

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CALL FOR PAPERS

Presenters wanted for dinner topics and poster sessions for a special technical series tentatively scheduled for this summer. Warm-up for a national meeting, or just present your Senior Project. Please contact the Program Chair with your topic.

CONGRATULATIONS

50-year AIChE membership anniversaries in 2003

Among the list are five Orange County Chapter members:

Lester Berriman
Todd Knapp
William Lawrence
Irwin Margiloff
Derril Perdue



Do We Have Your E-Mail Address?

Newsletter delivery by e-mail has proven to be more reliable and expedient than the postal version. If you would like to receive the e-mail version, especially if you only want the e-mail version, please contact the editor at Kris_Ip@edwards.com. Postage presently consumes a significant portion of our budget and volunteer time.

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

Job Seeking Members can receive a list of web sites of area companies that sometimes hire ChEs. Contact the Senior Member Everett Knell at EWKnell@aol.com to receive this list by e-mail.

Job Opportunities

Seeking individuals with PhD, Pharm D, DVM, MD or MS/MBA degrees with experience in biology and/or pharmaceutical sciences. Further experience in Combinatorial Chemistry, Structural Chemistry, Project Management or DNA Science is a plus. Please see positions below.

Contact Julie Brewer at 217-479-8088 ext. 301 or jhb@advancedrecruiters.com for further information on these Biotech opportunities.

Manager of Project Management- Lead the design, implementation, and update of project development plans, which form the operational basis for the project team. Collaborate with Clinical Operations and Finance to report budget variance analysis. Requirements: PhD, Pharm D, DVM, or MD degrees Or equally acceptable will be BS/MS in a scientific discipline plus an MBA. The position requires the candidate to have 3 + years experience in drug development attained while assigned as a leader or as a project manager. A sound understanding of the drug development process is necessary. Experience writing sections for or reviewing/editing drug study or regulatory documents is necessary.

Sr. Research Associate- Assist Structural Chemistry Groups in selection of compounds for purchase; ensure inclusion of compounds synthesized in-house in the Corporate compound library; and support work of High Purification and High Organic Synthesis groups through reagent ordering, tracking and ordering. Position requires: Masters or Bachelors degree in Chemistry or Biochemistry with 2 to 4 years experience in a pharmaceutical environment. Must have previous experience with lab automation. Experience with ISIS Base and ChemDraw is essential.

Research Scientist in the Chemistry Group- The associate will have responsibility for working closely with Biology and Structural Chemistry Departments and prepare protein of high quality to support assay development crystal structure determination. Requirements: The ideal candidate should have a Phd, PharmD, MD or MS in biochemistry/molecular biology with 2+ years in protein expression/purification environment, hands-on experience in scale-up protein expression, an be familiar with all types of protein chromatography and protein analysis techniques.

Project Management Associate- Implement tools, techniques and processes to provide or create information to enable decisions by the project teams; Develop and maintain tracking and reporting tools as needed to enable informed decisions by the project teams, business development, finance, or senior project management personnel. Requirements: 5 years experience in association with R&D project teams and/or in cross-functional project management activities. Must have a solid understanding of the drug development process. Must have experience with project management activities either in a formal project management position or through matrix project management responsibility.

Trinity Consultants is looking for a Project Manager in our Long Beach office, reporting to the Manager of Consulting Services of Dallas/Long Beach. The primary focus of the project manager will be to provide a strong technical presence in the Long Beach office. In addition, the project manager will be responsible for managing one to two staff members.

Performance goals for the first six-month period will be finalized during the first week of employment. The performance goals will include business development and marketing objectives, revenue and utilization/billability targets, and course instruction obligations for the office. The following preliminary goals have been set for a project manager position:

1. Serve as primary technical resource on Southern California projects and project management. Maintain monthly utilization of 60% (billable work by the project manager of at least 100 hours per month) over a 6-



month period.

2. Conduct business development/client championing activities in Southern California
3. Co-instruct one South Coast AQMD, or San Diego APCD, or specialty Refinery course and facilitate two (2) lunch-and-learn seminars in Southern California.
4. Establish presence in local AWMA, WSPA, or other associations.

Bachelor's degree (B. S.) in Chemical, Mechanical, Environmental/Civil Engineering, and/or related Atmospheric/Environmental Science from four-year college or university; and at least four years related experience.

Must have computer literacy, including basic programming, word processing, spreadsheet skills, and knowledge of Microsoft Office software package.

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

2003 Orange County AIChE Officers

President	Erik Pearson – England Geosystem (949) 453-8085, Fax: [949] 453-0733 e-mail: epearson@englandgeosystem.com
President-Elect	(Position Vacant)
Treasurer	Janice West – GE Energy and Environmental Research (949) 859-8851, Fax [949] 859-3194 e-mail: janice.west@ps.ge.com
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