



AICHE Orange County

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

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

August, 2002

AUGUST DINNER MEETING

The Current and Future Job Market for Chemical Engineers

**Mark Krouse,
Fluor Corporation**

**Tuesday, August 27, 2002
5:30 to 8:30 PM**

Mark would like to discuss the critical role that employees play, going beyond the technical contributions. "At Fluor, we are investing in the development of our employees but we ask them to take an active role, whether a supervisor or technical expert, to ensure that we have the kind of work environment that engages our employees to drive our business success. We are asking our employees to think on a global basis what it means to be a member of our team. The role of supervisors, mentors and leadership goes beyond the technical disciplines."

Mark will address the outside forces -- from the changing environment to complex global platform, to changing employee focus on work life balance. He will share his thoughts on the role that employees play in the business of returning value to our shareholders. In addition, he will be prepared to answer questions about

- Companies or industries that are growing and represent future employers of chemical engineers
- Skills that interviewers look for in potential employees
- Advice for engineers who want to switch careers but stay with an employer that they like.

Mark Krouse is vice president of Human Resources for Fluor Corporation where he is responsible for directing and managing the development and implementation of strategic Human Resource solutions on a global basis impacting a worldwide workforce of more than 51,000. Krouse's 25-year tenure with Fluor has included a variety of senior management positions. Krouse graduated from the University of Southern California with both bachelor and master degrees in international relations.

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, August 23. 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.

2002 Orange County AICHE Officers

President-Elect	Erik Pearson – England Geosystem (949) 453-8085, Fax: [949] 453-0733 e-mail: epearson@englandgeosystem.com
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Future Orange County AIChE Meetings

Regarding Dominic's plans for the rest of the year, the November meeting is going to be Spouse's Night, which we have not done in a long time. Roy Peters is presenting a talk called the "Chemical Engineering and Looking Good." Roy will be talking about the chemical engineering needed to make cosmetics and shampoos.

Southern California AIChE Meetings

There is no meeting in LA for August. The next scheduled Southern California Section dinner meeting is Tuesday, September 17th at the Quiet Cannon Restaurant in Montebello. The September topic is "Validation Engineering in Biotech". On Tuesday, October 15, Cal Poly Pomona will host a joint meeting of local sections of the AIChE and American Society of Metals. See the website at http://www.geocities.com/aiche_sc.

Message from the Officers

We are pleased to announce that Erik Pearson of England Geosystem, Inc. has agreed to be our new President Elect. Not willing to wait until he becomes our Chapter President next year, Erik has already rolled up his sleeves and started working on improving our chapter. Erik would like our members know how much he appreciates their support in attending our monthly chapter meetings. To show our appreciation, the September meeting will be a "Member Appreciation" meeting. For this meeting only, the first 15 people who register and show up for the meeting will receive a free meal. Registration for this meeting will open as soon as our newsletter for this meeting is mail/e-mailed to the membership. In addition, Erik wants to thank those members who attend several meetings a year. Starting with our July meeting, any member who attends two meetings during the calendar year of 2002 will be given a free meal at the next meeting they attend, this applies to the students too! I know what you are thinking, Erik is a really smart guy! The next time you see him, tell Erik your thoughts and suggestions on improving the Orange County AIChE Chapter. Fresh ideas and volunteers are always welcomed and encouraged.

Engineers in the News

Fluor Corporation in Aliso Viejo was voted one of the 6 best companies to work for in Orange County. The poll was taken by OC Metro Magazine and published in the July 11 issue. Employees were asked to rate their

companies based on benefits and the quality of the working experience. Fluor received especially high marks for their training program and global opportunities

Environmental Lesson

In kindergarten, they tried to teach us to clean-up our own mess. Here's evidence that it's a hard lesson to learn. The New York City Waste Commission finally paid Pennsylvania to dispose of the last of 15,000 tons of garbage in barges that had been circling the world for 16 years looking for a destination. Do you think there were any big apples in there?

Relative Risks

As the West Nile Virus grabs headlines due to the current toll of 20 fatalities this year, 2000 fatalities per year are due to food-borne bacteria such as salmonella, e. coli, and listeria. Now, on which problem will more money be spent?

Although the virus has been killing many birds, the Audubon Society opposes insecticide spraying. Pesticides briefly decrease the population of mosquitoes, but have a drastic long-term effect on the fish and birds that prey on mosquitoes. Incidentally, the pesticides of choice such as organophosphates, sumithrin, and piperonyl butoxide cause cancer. For more information from Audubon, see <http://magazine.audubon.org/incite0109.html>.

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KEEPUS by Bob Katin

For the latest information on this dynamic topic, please check the website:

<http://www.aiche-norcal.org/Government/keepus>

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Local Member Service

As a service to local members and their potential clients, we have added a consultants page to the OC AIChE web site www.aiche-orangecounty.org. Look there to see who can give advice worth paying for. To add your information to the web page, contact Cheryl Zheng, webmaster.

Professional Engineering Employment Update

Job Seeking Members can now receive a list of web sites of area companies that sometimes hire chemical engineers. Special thanks to Ron Ambrosini, Alexandre Dokoutchaev, Edgar Lara, and Dung Phan, who volunteered to help with this list. Contact the Newsletter Editor to receive this list by e-mail as an Excel file.

⇒ Job Opportunities

⇒ SuperbTech, Inc. has Process Engineering jobs!

(2) Engineers needed w/Chemical Engineering Degree. 5-15 years experience. Operations, Process design studies & Capital Projects for Refinery. Must have day to day operations support background. 6-12months duration, potential for permanent. So Bay Area. \$38.00-\$48.00 hrly

(1) Process Engineer needed to work in field. Must have Plant Operations, PID, Generalist, Experience in Gas Plant, Refinery or Chemical Plant. 2mo-2years. Downtown L.A. \$40-\$48.00

(1) Process Engineer that has worked "perm" in a refinery, Max 20years experience. Must have Proll or Provision & Hex Tran. Long Beach. \$80-\$89k.

(1) Environmental Engineer with Process/Chemical Degree. 5 years in Refinery or Chemical Plants, knowledge in AQMD, especially RECLAIM. Great computer skills needed. In South Bay.

Jan A. Davis or Ronnell Valancia
SuperbTech, Inc.
Recruiter
310/645-1199

⇒ Spend everyday around Golf equipment and get paid for it!

Search firm seeks Process Engineer to be based in southern California for our client--a premium golf clubs and golf balls manufacturer. Key responsibilities are:

- Identify, evaluate and work to resolve manufacturing issues in the daily production process.
- Provide leadership in the optimization and troubleshooting of existing processes.
- Control engineering activities in the design and implementation of process improvements.
- Technical transfer of new products from R&D to product commercialization.

This position requires a B.S. in Chemical or Polymer Engineering and a minimum of 4 years experience in process support of day-to-day operations in a process-intensive industry (i.e., plastics). Must have extensive experience with SPC and DOE. Six Sigma black belt preferred. The ideal candidate will be an out-of-the box, disciplined problem solver who takes initiative and is a team player.

Competitive compensation including relocation allowance offered. To be considered for this exciting opportunity, please submit resume and salary requirements to Janice Pinson, JP Associates (Executive Search) via e-mail to Jpinson99@aol.com or fax 877-683-9353.

⇒ Process Technology Development Manager

The Process Technology Development Manager acts as a liaison between R&D, Franchise and Manufacturing regarding MTP priorities, R&D resource allocation, project feasibility, manufacturing infrastructure, technology planning, and product quality. The primary focus is the development of creative and unique applications for existing technologies to improve or expand the flexibility of existing processes.

Primary Duties:

Prioritizes objectives and allocates resources for the Process Technology Development Team in the wet and dry process areas. Primary responsibilities lie in the following areas; MTP, factory process specifications and CVS, technology platform development, pilot plant operation and infrastructure, and divisional capital budget.

Participates in technology planning on a global basis as a member of technology development teams across all company units (technology platforms, process optimization, process specification development, profitability, etc.)

Manages thermal process development and maintenance for the US wet sites and importation of wet products from abroad.

Coordinates performance development plans of direct reports, including process development engineers, pilot plant supervisor, and pilot plant maintenance manager.

Coaching and mentoring of 20 associates, including the pilot plant team.

Coordinates scientific documentation, Intranet communications and intellectual property for process developments.

Qualifications:

BS degree in engineering (chemical engineering preferred). MBA degree is desired. 5-11 years experience in process design/development, preferably in the food industry. 3+ years experience in engineering management. Vision setting skills. Basic knowledge of human resource management and development methods. Interpersonal skills with direct reports, peers, top management and vendors at an international level. Ability to communicate technical and non-technical subjects at multiple levels. Business presentation skills. Project management skills. Organizational skills. Basic knowledge of financial feasibility methods and process engineering operations. Knowledge of experimental design and data analysis methods. Ability to work in a manufacturing environment. Ability to travel 30-50% of the time. Self-starter with demonstrated abilities to be creative and innovative.

Mike Graver, Search Consultant
The Lee Group
www.theleegroup.com
(757)873-3388

Advertisements

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- Ability to meet condensed schedules
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 - Air, soil, and water

ADVERTISING SPACE AVAILABLE

Place a business card-sized ad for \$30 per month

More Job Opportunities

Cal State University, Long Beach is seeking part-time lecturers for Fall '02 and Spring '03. Requirements: Ph.D. in Chemical Engineering or Master's degree in Chemical Engineering with industrial experience. Ability to teach chemical engineering courses (material and energy balances, fluid flow, heat and mass transfer, separation processes, thermodynamics, chemical reactor kinetics, unit operations laboratory, process control, process design, pollution prevention, etc.). Ability to communicate effectively with an ethnically and culturally diverse campus community. Subject to budgetary constraints. For full information, visit the OC AIChE web site, www.aiche-orangecounty.org

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

American Institute of Chemical Engineers
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DATED MATERIAL

ADDRESS SERVICE REQUESTED

