

Special Event: At the Union League
 "Affordable Innovation" in the Pharmaceutical and Healthcare Market
 Wednesday, January 19, 2005

Wrap-up for Chemical Process Safety Conference

Join us on Wednesday, January 19, 2005 to hear Andy Signore, PE, who is President and Co-founder of IPS, an Engineering firm providing Consulting, Engineering, Construction Management, Design-Build, Validation, Compliance, Commissioning, and other services. Andy will present his views on the emerging call for "Affordable Innovation" in the pharmaceutical and healthcare markets and how project professionals can help to achieve it through new processes and facilities.

Mr. Signore is a Chemical Engineer, MBA, PE and a dynamic speaker. He is a past national president of ISPE and several other organizations. He founded IPS in 1989 and has grown it to an enterprise employing over 300 professionals.

The dinner meeting is at the Union League of Philadelphia, which is an interesting and historic place to visit on its own.



*Andy Signore, PE,
 President and Co-founder of IPS*

Meeting Date: January 19, 2005

Location: The Union League
 140 S. Broad Street
 Philadelphia, Pa.

Times : 6:00 - 7:00 Social;
 7:00 Dinner
 8:00 Speaker

Price, members & nonmembers:
 Cost is only \$50 and membership is not required, students \$25. Dress code requires jackets and ties.

RSVP: Registration can be made on our website, www.aiche-philadelphia.org. Or by contacting Doug Kriebel, 610-337-8995, Fax 610-337-8996 or dkriebel@kriebel-ltd.com

Directions:

www.unionleague.org

75 chemical engineer professionals, students and faculty attended the Dec 2nd Process Safety Conference at Widener University. 11 speakers provided a 360 degree perspective on the tragedy at Bhopal for this daylong event that was jointly produced by Widener University Dept of Chemical Engineering and the Philadelphia / Del Val Section of AICHE.

Peter Joyce, President of Value Recovery Inc held a HAZOP workshop for students using his start-up company as an very interesting example. **Mike Hazzan**, Manager- Eastern Business Unit for Chemetica Inc/ Acutech kicked off the conference with a history of what happened at Bhopal. PQ's Corporate Manager of Engineering, **Lou Henderson** followed with an overview of *Process Safety Management*. Ms **Sharmila Rao**, Widener Grad Student, offered her personal account of growing up in India during the aftermath of Bhopal and becoming a chemical engineer. Professor of Philosophy Dr **David Ward**, lead the audience through a series of questions to examine the ethics of USA companies ex-

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Wrap-up for Chemical Process Safety Conference, 20 years after Bhopal

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porting technology. **Joseph Sieben** from ASPEN / Hysis demonstrated how a dynamic simulator can be surprisingly useful in "what-if" analysis. **Al Baginski** from the EPA explained how EPA's RMP program handles safety "outside the fence" whereas OSHA's PSM handles employee safety. Rohm & Haas's Manager of Hazard Assessment and Environmental Engineering, **Gregory Keeports** delivered the talk, *Inherently Safer Design*. PA State Representative **Thomas Gannon** discussed the oil spill from the tanker ship in the Delaware River. **Dorothy Kellogg**, Senior Director for Security for the American Chemistry Council, outlined the *Responsible Care* Program and the post- 911 program expansion addressing homeland security.

After dinner, AIChE CEO Lecturer and Keynote Speaker, **James Porter** explained Dupont's safety culture where leading indicators are tracked until they are eliminated and then the next leading indicator becomes the object of attention. James is Vice President of Environment, Health and Safety, engineering and Chief Engineer for Dupont and a member of the advisory board for AIChE's Center of Chemical Process Safety (CCPS)

Widener University rolled out the red carpet for our Philadelphia Chemical Engineering community. After a complimentary lunch, **Dr Jo Allen**, Sr Vice President and University Provost welcomed the attendees. Widener included a Conference Student Poster Contest which was won by Rowan University Students: **Jessica Prince** and **Blanca Ortiz** for their submittal, titled: Bulletproof Vest Failure: A Study in Corporate Responsibility. An original music score, *Suite for Bhopal*, was directed and composed by **John Vannore** and performed by Widener music scholarship students to an appreciative SRO audience. Widener **President Harris** welcomed the guests to dinner which was Indian cuisine prepared by Widener's School of Hospitality.

Many thanks to the conference organizers. Program Co-Chairs **Jerry Maffia**, Widener's Dept Head for

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Advisory Board Named

The Managing Board of the newly created Society for Biological Engineering, SBE, (created earlier this year by the AIChE Board of Directors) has recruited local section member and past Dinner Meeting guest speaker (Nov. 12, 2002), Dr. Ann Lee of Merck & Co., to its distinguished advisory board to help guide SBE's efforts.

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Professional Development - By Mark DeLuca

The Election is over. Regardless who your choice was for President, the job outlook is better when there is certainty. There is pent up demand as projects have been languishing and will now need to be completed soon. The job seekers are getting many more inquiries and requests for interviews. Companies realize that if they do nothing, the competition will move in to take away opportunities. Hopefully, we will see a shorter list of job seekers in 2005.

The local companies that have been reducing staff all year are again posting new positions. Monster and the other big job boards are still mostly listing search-firms that are acquiring resumes for their file cabinets. The difference is the search-firms are beginning to match those resumes with clients again.

Last time energy prices were high, there was a big demand for Chemical Engineers to squeeze every BTU out of a process. I don't see that demand this time. It may be because so many energy intensive processes have moved overseas. Those companies that remain use fewer employees to get the same number of pounds out the door.

The projects I am working on are for high value products where the energy contribution is minimal. The value of these products comes from the information content (patents, quality and knowledge input). People that can configure and maintain automated systems are in the biggest demand. People who have jobs that can be automated are at the greatest risk.

As you are observing your own job situation and thinking about the best way to advance your career, your point of view is valuable. Feedback from the membership biases the outlook of the professional development column. I hear mostly from people once they are out of work. This gives a clear picture of what is not working for our membership. Those that are working are often too busy to come to AIChE meetings. Your emails and phone calls are needed to keep this column on track.

Until Next Month . . .

Richard Kral presenting poster winners
Jessica Prince & Blanca Ortiz



Richard Kral and David Salas



**future
Events**

- Feb 24th: Dr. James Zarga
Associate Director of Pharmaceutical Development,
Merck Research Labs
- March: Plant Tour
- April: Student Awards

CHEMICAL CONSULTANTS NETWORK

January 12, 2005, Meeting

Visit our web page at www.chemconsultants.org

Date & Time: Wednesday, January 12, 2005 at the Cynwyd Club, Bala Cynwyd, PA; Networking, 6:00 PM; Dinner and Wine Tasting, 6:30 PM; Brief Business Session during dinner.

The Chemical Consultants Network is celebrating its 10th anniversary. The CCN has been the source of networking, project leads, general encouragement and technical/administrative/marketing advice to its members since its founding meeting at the University of Pennsylvania in the fall of 1994. It is the first and only organization of its kind with American Chemical Society and the American Institute of Chemical Engineers sponsorship.

Our program is intended to be a celebration of the successes we have observed and had reported from our many members. It will consist of a shortened networking session during which a first wine course and appetizers will be served. Dinner will follow during which three (3) additional wines will be sampled. We encourage you to bring your spouses and friends and to also invite members of our sister organizations, the ACS and AIChE, to join us.

Location: The Cynwyd Club, 332 Trevor Lane, Bala Cynwyd, PA 610-667-4524.

Reservation: To make or cancel a dinner reservation, e-mail CCNReservations@aol.com or call the ACS office at 215-382-1589 (leave message on voicemail if necessary). Fee, including food and beverages, is \$35 provided reservations are made before 6 PM Friday, January 7th; \$40 if made subsequently by 10 AM Monday, January 10th. No-shows will be invoiced.

20 years after Bhopal

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Chemical Engineering and **Richard Kral**, Lead Process Engineer for Jacobs Eng Group and long time member of the Planning Board for Philadelphia / Del Val Section of AIChE, organizer **David Salas**, a new resident to Philadelphia and AIChE member and volunteer who really knows how to get the most out of the AIChE, and Widener Dept Secretary **Kathleen Gannon** who did "everything". Rohm & Haas's **Dennis Hendershot** and CCPS Director **Scott Berger** were visiting Bhopal and missed our conference but their behind-the-scenes assistance suggesting speakers was instrumental to our success.




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