



## Central Jersey Section

### *January Dinner Meeting*

#### **The Changing Nature of Chemical Engineering**

*by Dianne Dorland*

#### **Joint Meeting with the New Jersey Section of AIChE at Snuffy's Steakhouse So. Plainfield, NJ**

Dean Dianne Dorland, PhD, PE  
Dean of the College of Engineering  
Rowan University  
Glassboro, NJ

**Tuesday, January 8, 2002**

Dr. Dorland received her PhD in Chemical Engineering from West Virginia University and earned her BS and MS in Chemical Engineering from the South Dakota School of Mines and Technology. She has worked for DuPont, Union Carbide and the US Dept of Energy. Her areas of expertise lie within pollution prevention and hazardous waste management. She is currently on the Board of Directors for the AIChE and will be also be speaking on January 15th at the North Jersey Section

*(Continued on page 3)*

### *February Dinner Meeting*

#### **Bad Things Can Still Happen to Good Companies :**

#### **An investigative report of a dust explosion**

*by Richard Pickup*

#### **Meeting at Princeton University**

Richard Pickup  
Manager, Chemical Process Evaluation  
Chilworth Technology, Inc.  
Monmouth Junction, NJ  
Email: rpickup@chilworth.com

**Tuesday, February 19, 2002**

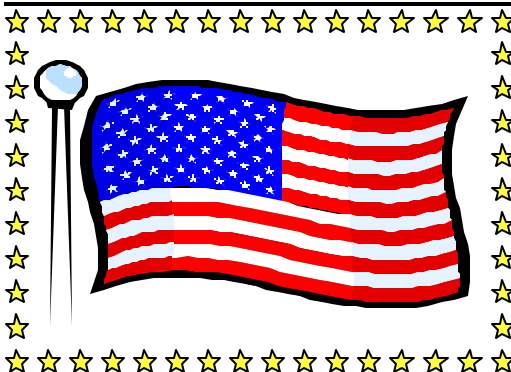
In recent years, the general level of awareness of dust explosion hazards within the process industries has greatly improved. In light of this, many companies have incorporated recognized techniques to prevent or mitigate the damaging affects of dust explosions into their designs and procedures.

However, an investigation of an inci-

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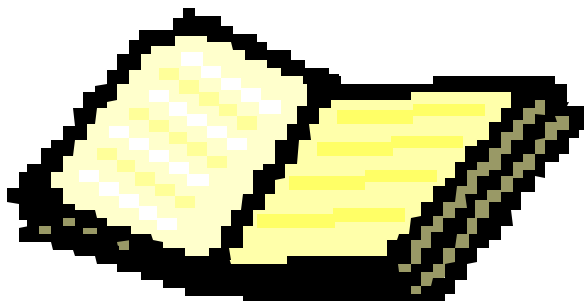
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—

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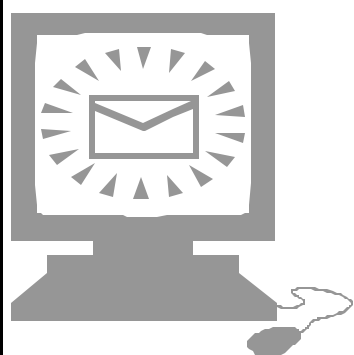
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- \* If you have a change in your mailing address, call Martha Pelensky or email her at mpelensky@aol.com
  - \* If you have an article to contribute, call David Marabello or email him at marabelloda@cdm.com
  - \* If you are job hunting, call Mark DeLuca or email him at engineer@del-engineering.com
  - \* If you have an idea or a speaker for a dinner meeting, e-mail Prof Jay Benzinger at benziger@princeton.edu or FAX (609) 258-0211 or Derk Huibers at d.huibers@verizon.net

## January Dinner Meeting

(Continued from page 1)

meeting in Florham Park.

Dinner reservations should be made with the New Jersey Section – and directions can be obtained – by calling Gabrielle Moore at (732) 225-7000.



The Central Jersey Local Section website address has changed.

To access our new page  
go to  
[www.princeton.edu/~cjaiche](http://www.princeton.edu/~cjaiche)

**February 17 – 23, 2002 is National Engineers Week** and once again we are looking to reach out to local schools. Are you interested in helping organize a visit to a local school? For ideas, visit the official website at <http://www.eweek.org/>

Our section will again be looking to visit the South Brunswick HS students & maybe organize a field trip with them. Call David Marabello @ 732-225-7000 by January 17th if you want to help talk to the students.

## February Dinner Meeting

(Continued from page 1)

dent at an agrochemical formulation facility demonstrates, unfortunately that "bad things can still happen to good companies".

Mr. Pickup is Manager of Chemical Process Evaluation with Chilworth Technology, Inc., an international company that provides process safety testing and consultancy services to the process industries. In his career to date he has accumulated over ten years of practical safety, process engineering design and project management experience in industries as

varied as oil and gas production and processing, chemicals, polymers, pharmaceuticals, agrochemicals and metals. His areas of expertise include fire and explosion hazard assessment, fire and explosion prevention and protection, gas and vapor flammability hazards, dust explosion hazards, thermal stability hazards, design and specification of emergency relief

systems, process safety management (PSM/HAZOP/HAZAN) and process reliability analysis.

Mr. Pickup is a chartered chemical engineer and an active member of a number of professional institutions. Mr. Pickup is a member of the AIChE, a chartered chemical engineer (ICChemE) and an active member of a number of other professional institutions.

The meetings will be held at Princeton University. Dinner will be at Prospect House and the panel will be in the Friend Center 008 .

This will require a leisurely 5 minute walk between dinner and the presentation. Be prepared for all possible weather conditions.

For Directions to the University go to <http://www.princeton.edu/cgi/map>

or look under Travel and Weather on the Princeton University main website and you can find directions to Princeton and a detailed campus map.

Or call 609 258-2222 for general directions to the Princeton University area.

**No cost if coming for the speaker only.**

Times for the February 2002 meeting:

**Social hour**.....5:30 - 6:00 PM  
**Dinner**.....6:00 - 7:30 PM  
**Presentation**.....7:30 - 9:00 PM

**Cost:** Members & Guests.....\$20  
Students w/ ID.....\$10

Cash or check made out to Central Jersey AIChE will be collected before dinner.

# AICHE Central Jersey Section Chairman's Message

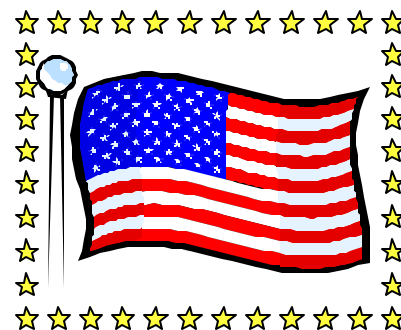
Greetings and Happy New Year!

The official first year of the new millennium was certainly one to remember. From the controversial election of our President to terrorist attacks, and finally a war in Afghanistan - it has been overwhelming. Within our local section of the AIChE we had a successful year of varied programming looking at energy, biotechnology, information technology, and the future directions of Chemical Engineering. Our last two meetings were looking at new ways the profession is evolving. Stephen Hall of AMEC Corp. showed us how project management can be handled over the internet with web-based tools. He invites you to visit their web-site for more information at <http://apw.amec.com>, (you can contact Steve at [Stephen.hall@amec.com](mailto:Stephen.hall@amec.com)). We had a joint meeting with the Trenton section of the American Chemical Society in December where James Wei, Dean of the School of Engineering at Princeton University, described his concept of a new paradigm in Chemical Engineering for Product Engineering. Jim showed how the search for products such as high energy density fuels for the military to new refrigerants can be formalized in codification of applied chemical principles and processes.

We encourage as many of the members as possible to participate in the local section events. Your input for topics and speakers for meetings would be very welcome. We will also be trying to coordinate our activities with the New Jersey section of the AIChE, and both the Trenton and Princeton sections of the ACS. We especially ask those members in the emerging technologies of pharmaceuticals, materials processing, and information technology to assist us with their input for programming.

I wish you all a healthy and prosperous New Year!

**Jay Benziger**



**G O D B L E S S A M E R I C A !**

**Place Your Business Card here for \$20/issue  
Call Dave Marabello at (732) 225-7000 for details**

*AIChE Newsletter Editor  
David Marabello*

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