

# The ASEE Chemical Engineering Division Newsletter

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## A Message from the Chair



**Dr. Polly Piergiiovanni**  
**Lafayette College**

I would like to take this opportunity to thank you for your active support of the ChE Division of ASEE this year. The Division's leadership has been strong, and, with the help of the other division officers, I believe the organization will continue to be strong. Thank you, Dick Zollars, for your initiative in recruiting new members and retaining current members. I believe the Division in good shape!

We had a terrific 2006 annual meeting in Chicago! Many thanks to David Miller and Marina Miletic for all their hard work, which made it go so smoothly. I know I returned with notes full of new ideas to try this semester! The division dinner was preceded by a walking tour of Chicago architecture, and followed by the ChE awards presentation (the award recipients are listed later in the newsletter). Randy Lewis is working hard preparing for the 2007 meeting in Honolulu – it will be a great one!

ChE Division meetings are held at the ASEE Annual meeting as well as the AIChE meeting in San Francisco. The Executive Committee meeting at the AIChE meeting is scheduled for Monday Nov 13, at 11:00 a.m. in the Union Square 9 room (4th Floor) of the Hilton San Francisco. All officers should attend, including everyone involved in a committee. Anyone else interested in the division is also welcome. We will discuss plans for the Honolulu meeting, as well as 2007 Chemical Engineering Summer School.

Next year's activities include:

- Increased awareness and use of the web site begun and promoted by David Silverstein (see article in this newsletter)
- Chemical Engineering Summer School begins July 26<sup>th</sup> in Pullman, Washington! Invite and encourage new faculty to attend!
- Involving more members as volunteers in the division. If you are interested in serving the division, come to the meeting in San Francisco, or e-mail me and let me know!

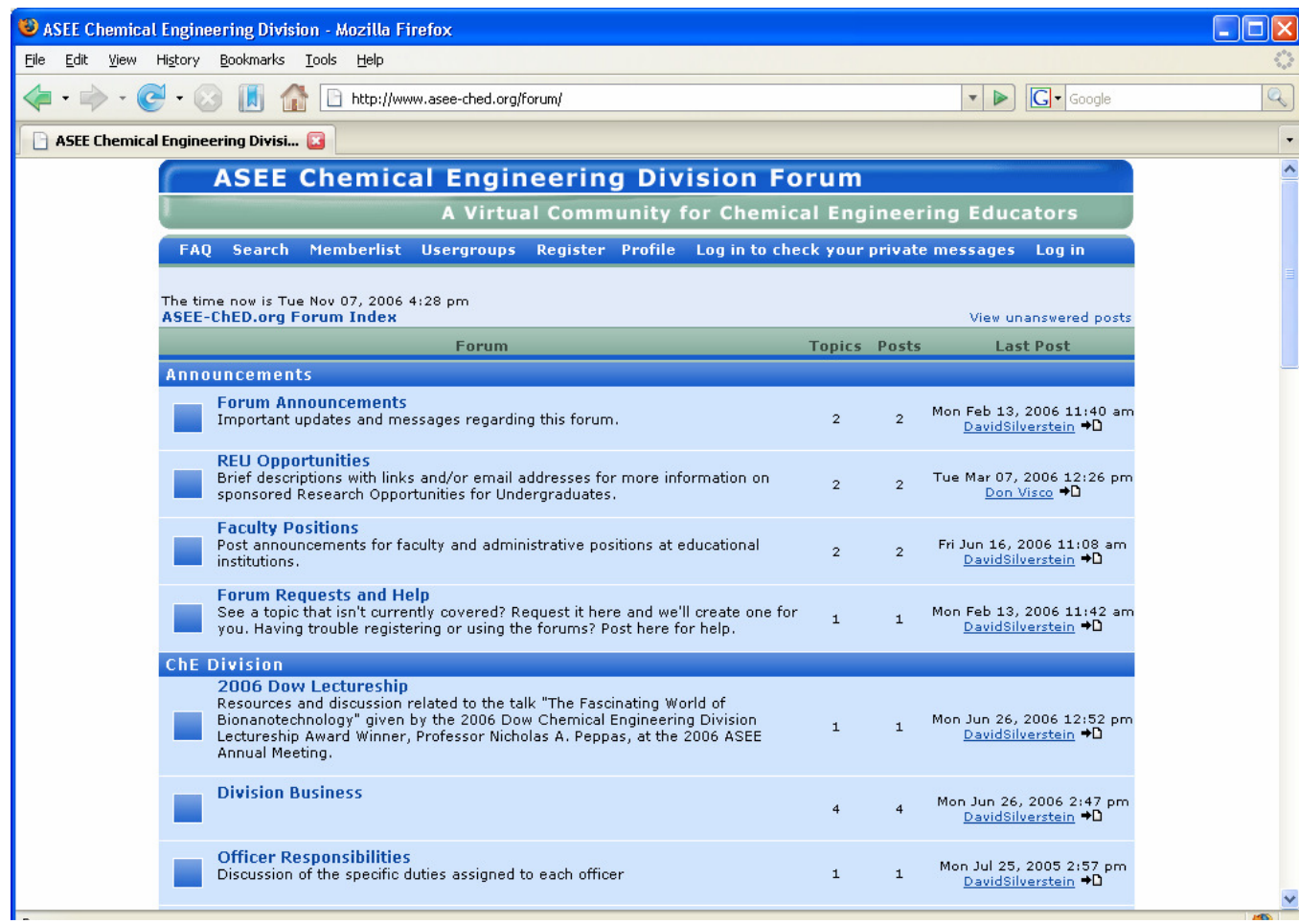
Elections for the division officers will be held in the spring. We would love to see some new faces – if you are interested in serving an organization that helps us become better teachers, consider running for an office. Please contact me ([piergiop@lafayette.edu](mailto:piergiop@lafayette.edu)), and I will describe the opportunities.

We have a lot planned for the next few months, and I look forward to seeing you at the meetings!

## The Chemical Engineering Educator's Forum

The Chemical Engineering Division Website at <http://www.asee-ched.org> now features a discussion forum for experienced educators to share, new educators to learn, and all to communicate on a timely basis on everything of interest to chemical engineering educators.

Please send questions or comments to David Silverstein, ChE Division Secretary/Treasurer, at [SilverDL@engr.uky.edu](mailto:SilverDL@engr.uky.edu). Join us online at <http://www.asee-ched.org/forum> today!



The screenshot shows the ASEE Chemical Engineering Division Forum website. The browser title is "ASEE Chemical Engineering Division - Mozilla Firefox". The address bar shows "http://www.asee-ched.org/forum/". The forum header includes "ASEE Chemical Engineering Division Forum" and "A Virtual Community for Chemical Engineering Educators". Navigation links include "FAQ", "Search", "Memberlist", "Usergroups", "Register", "Profile", "Log in to check your private messages", and "Log in". The current time is "Tue Nov 07, 2006 4:28 pm". A table lists forum topics with columns for "Forum", "Topics", "Posts", and "Last Post".

Forum	Topics	Posts	Last Post
<b>Announcements</b>			
<b>Forum Announcements</b> Important updates and messages regarding this forum.	2	2	Mon Feb 13, 2006 11:40 am <a href="#">DavidSilverstein</a> →
<b>REU Opportunities</b> Brief descriptions with links and/or email addresses for more information on sponsored Research Opportunities for Undergraduates.	2	2	Tue Mar 07, 2006 12:26 pm <a href="#">Don Visco</a> →
<b>Faculty Positions</b> Post announcements for faculty and administrative positions at educational institutions.	2	2	Fri Jun 16, 2006 11:08 am <a href="#">DavidSilverstein</a> →
<b>Forum Requests and Help</b> See a topic that isn't currently covered? Request it here and we'll create one for you. Having trouble registering or using the forums? Post here for help.	1	1	Mon Feb 13, 2006 11:42 am <a href="#">DavidSilverstein</a> →
<b>ChE Division</b>			
<b>2006 Dow Lectureship</b> Resources and discussion related to the talk "The Fascinating World of Bionanotechnology" given by the 2006 Dow Chemical Engineering Division Lectureship Award Winner, Professor Nicholas A. Peppas, at the 2006 ASEE Annual Meeting.	1	1	Mon Jun 26, 2006 12:52 pm <a href="#">DavidSilverstein</a> →
<b>Division Business</b>	4	4	Mon Jun 26, 2006 2:47 pm <a href="#">DavidSilverstein</a> →
<b>Officer Responsibilities</b> Discussion of the specific duties assigned to each officer	1	1	Mon Jul 25, 2005 2:57 pm <a href="#">DavidSilverstein</a> →

## ASEE 2007 Chemical Engineering Faculty Summer School

The 2007 Chemical Engineering faculty summer school will be held July 28-August 3, 2007 at Washington State University. This program provides faculty an excellent opportunity to develop new ideas for use in the classroom and share some ideas of your own. More details to follow to departments in early 2007. Watch for it!

## *ASEE Chemical Engineering Division 2006 Award Recipients*

The ASEE Chemical Engineering Division gratefully acknowledges the sponsors of these awards:

The Dow Chemical Company  
Eastman Chemical Corporation

**The Joseph J. Martin Award**  
(for the best paper in the ChE Division at the previous ASEE meeting that also appears in the proceedings)

The author is recognized for her paper entitled: "The Greening of Chemical Engineering Students"



Ann Marie Flynn  
Manhattan College



### **The Chemical Engineering Division Lectureship**

(for lifetime achievement in research,  
teaching, and service)

*Sponsored by The Dow Chemical  
Company*



Nicholas A. Peppas  
University of Texas at Austin

Dr. Peppas is recognized for his scientific and educational contributions to bio-nanotechnology, biomolecular sciences and engineering, and chemical engineering education over the past 30 years, and providing profound insight into numerous engineering processes and applications and led nanoscale analysis, design and development of new biomaterials and medical devices, including artificial vocal cords, contact lenses, linings for artificial hearts, artificial cartilage, a wide range of drug delivery devices, and the recently commercialized oral protein delivery systems.

**William H. Corcoran Award**  
(for the best paper published in the  
previous calendar year in *Chemical  
Engineering Education*)  
Sponsored by Eastman Chemical  
Corporation



Joseph H. Biernacki  
Tennessee Technological University

The author is recognized for his paper  
entitled: "A Course-Level Strategy for  
Continuous Improvement"

**Ray W. Fahein Award**  
(for teaching effectiveness and educational  
scholarship in the first ten years as a  
faculty member)  
*Sponsored by Chemical Engineering  
Education*



Donald P. Visco  
Tennessee Technological University

Dr. Visco is a tireless ambassador for the  
integration of research with teaching and  
the use of best-practices in the classroom.  
His dedication to student learning is  
legendary within Tennessee Tech and to  
colleagues beyond. Dr. Visco's research  
is of a premiere level and has been  
recognized, recently by the 2004 PECASE  
Award.

**The CACHE Award**  
(for contributions to computing in  
chemical engineering)  
*Sponsored by the CACHE Corporation*



James M. Douglas  
University of Massachusetts—Amherst

Dr. Douglas is recognized for his great  
impact on computing and chemical  
engineering education, resulting from his  
development of rational approaches for  
process design. Breakdown of the design  
process into logical analytical steps is the  
key to new sophistication about effective  
computer-aided design and to teaching  
students how to think. His text  
"Conceptual Design of Chemical  
Processes" (McGraw-Hill, 1988) brought  
these ideas to a wide audience.

**Best Poster Award**  
(for the best poster presentation in the ChE  
Division at the previous ASEE meeting)



Paul B. Golter, Bernard J. Van Wie, P.V.  
Scuderi, T.W. Henderson, R.M. Dueben,  
G.R. Brown, W.J. Thomson  
Washington State University

The Washington State team (presenters Golter and Van Wie) are recognized for their poster entitled: “Combining Modern Learning Pedagogies in Fluid Mechanics and Heat Transfer”

## **Announcing ASEE ChE Division Awards for 2007**

### ***The Dow Lectureship Award***

This award, sponsored by The Dow Chemical Company, is presented to a distinguished engineering educator to recognize and to encourage outstanding achievement in an important field of fundamental chemical engineering theory or practice. The individual shall demonstrate achievement through the formulation of fundamental theory or principles, improvements of lasting influence to chemical engineering education with books and/or articles, and

the demonstration of success as a teacher. In addition, evidence of the ability to conduct original, sound, and productive research, and an interest in the progression of chemical engineering through participation in professional and educational societies shall be demonstrated. The recipient presents a lecture at the ASEE summer school. The award consists of a \$3,000 honorarium, \$500 travel allowance, and a commemorative plaque presented at the Chemical Engineering Division Banquet of the ASEE Annual Conference.

### ***William H. Corcoran Award***

This award, sponsored by Eastman Chemical Corporation, is presented each year to the author of the most outstanding article published in Chemical Engineering Education. Nominations are not accepted. All published papers in a calendar year are automatically considered. The award consists of a \$1500 honorarium (per paper) and a commemorative plaque presented at the Chemical Engineering Division Banquet of the ASEE Annual Conference.

### ***Best Poster Award***

The Best Poster Award is presented for the most outstanding Chemical Engineering Division poster presentation at the ASEE Annual Conference. Nominations are not accepted. Papers must be presented at the chemical engineering division poster session to be considered. The award consists of a commemorative plaque presented at the Chemical Engineering Division Banquet of the ASEE Annual Conference.



## **Joseph J. Martin Award**

The Joseph J. Martin Award is presented for the most outstanding Chemical Engineering Division paper presented at the ASEE Annual Conference.

Nominations are not accepted. All papers presented that also appear in the conference proceedings are automatically considered. The award consists of a commemorative plaque presented at the Chemical Engineering Division Banquet of the ASEE Annual Conference.

## **CACHE Award for Excellence in Computing in Chemical Engineering Education**

This award, sponsored by the CACHE Corporation, is presented for significant contributions in the development of computer aids for chemical engineering education. The award consists of a \$1,000 honorarium and a commemorative plaque presented at the Chemical Engineering Division Banquet of the ASEE Annual Conference.

## **Ray W. Fahien Award**

This award is sponsored by *Chemical Engineering Education* and given in honor of Ray Fahien, who was editor of the journal from 1967-1995, and who was effectively the founding father of the journal, establishing it as a premier publication vehicle in the field of chemical engineering education. Professor Fahien selflessly gave his time and talents to advance pedagogical scholarship, particularly in the careers of young educators, through his dedication to the journal and the profession. The award is given annually to an educator who has shown evidence of vision and contribution

to chemical engineering education, consists of a \$1,500 honorarium and a commemorative plaque presented at the Chemical Engineering Division Banquet of the ASEE Annual Conference. See the Division web site for more details on the award criteria. Educators who have been faculty members for not more than ten years as of July 1st in the year of the award are eligible.

## **Lifetime Achievement in Chemical Engineering Pedagogical Scholarship**

This award will normally given for lifetime achievement, recognizing a sustained career of pedagogical scholarship that not only caused innovative and substantial changes, but also inspired younger educators to new behaviors that benefit students in Chemical Engineering.

The award will be presented on an as-merited basis, not necessarily annually. Acceptance of the award implies the obligation to attend the Chemical Engineering Division Awards Banquet at the ASEE Annual Conference.

**A condition of receiving any of the above awards is attendance at the Chemical Engineering Division banquet at the 2007 ASEE Meeting in Honolulu, HI June 24-27, 2007**

**Nomination Deadline: January 15, 2007**

**For more information on ChE Division awards, see the web site <http://www.asee-ched.org/>**

# Instructions for Assembling a Nomination Package

Please assemble the nomination package in the following order. These instructions parallel those available at <http://www.asee.org/awards/nominationinfo/program.cfm>. Nomination packages not conforming to these guidelines will be discarded. Nominating a faculty member for an award implies that the nominee has been informed and consents to the nomination and conditions of the award.

**Do not submit to ASEE either electronically or with hard copy! Submit nominations ELECTRONICALLY following the procedure described below to the ASEE ChE Division Awards Co-Chair, Ted Wiesner, at [Ted.Wiesner@ttu.edu](mailto:Ted.Wiesner@ttu.edu) by January 15, 2007.**

## **Paper submissions will not be accepted.**

Nominations should be sent as ONE Word or PDF file. The document should have sections for nominee information, citation, rationale, curriculum vitae, additional information as required for that award, and letters of support. It is the nominator's responsibility to assemble all of the pertinent information into ONE electronic document that committee members can easily read.

1. Nominee Information – list the information found on the general ASEE awards form that may be found at [http://www.asee.org/members/awards/nomForm\\_paper.cfm](http://www.asee.org/members/awards/nomForm_paper.cfm)

2. Include a 100-word maximum citation, which will be used if the nominee wins the award.
3. Include a 700-word maximum description of the rationale for the nomination.
4. Include a Curriculum Vita containing the following information: Degrees earned (university and granting dates); other postgraduate study; record of positions held; publications, including all books, published papers and articles; ASEE activities and offices held; awards, honors and inventions.
5. Include Other Supporting Information as required for that particular award. Please see the Chemical Engineering Division web site for details on particular award criteria.
6. Include a maximum of 8 Letters of Support for the nomination. These letters may be from peers, students, and/or former students as appropriate to the award.

Any nominee for an award may be renominated using the original nomination package for one additional year only by sending an email to the Awards Chair along with the electronic award nomination. After that a complete new nomination is required.

Submit the entire nomination as ONE electronic file to ASEE ChE Division Awards Co-Chair, Ted Wiesner at [Ted.Wiesner@ttu.edu](mailto:Ted.Wiesner@ttu.edu) by January 15, 2007.

General, procedural or other questions about the awards should be directed to the ChE Division Awards Co-Chair, Ted Wiesner at [Ted.Wiesner@ttu.edu](mailto:Ted.Wiesner@ttu.edu) or 806-742-1448.