

# IAC Alumni NEWSLETTER

June 1999

Once again, WELCOME! This is the third issue of the IAC Alumni Newsletter, sponsored by the Office of Industrial Technology (OIT). OIT is a part of the Department of Energy's Office of Energy Efficiency and Renewable Resources.

If you would like to see the previous issues of the IAC Alumni Newsletter, visit the OIPEA website at <http://oipea-www.rutgers.edu>. At the home page, click on "IAC program" to reach the newsletter link.



## Where Have All the Students Gone?

The IAC program has provided first hand industrial experience for literally hundreds of students. The benefits of participating in the program extend beyond the college years, helping students be successful in their careers. Three of these success stories are **Adam Boese** of Rutgers University, **Phylissa Miller** from the University of Tennessee, and **Michael Rogers** of San Diego State University.

Back in 1986, **Adam Boese** jumped at the chance to work for the Rutgers EADC, where **Dr. Michael Muller** was Director. The EADC was offering \$6 an hour, in comparison to the dining hall's \$4.50. Feeling that the hands-on experience helped him with his academic work, Adam remained at his EADC job until his graduation in 1989. Upon graduation, Adam accepted a full-time position with the EADC. He stayed for 3 years, when he left to start his own firm, The Daylight Savings Company.

Adam says, "The IAC program provided a jump start to my career in energy efficiency. Because of my IAC-enhanced background, I was able to start my own energy efficiency consulting firm in 1992 – only 3 years out of college! Now I have a staff of seven and many plans for expansion over the next few years. The energy efficiency industry had and still has a great amount of potential for graduating engineers as well as an inherent need for their clear minds and innovation." (continued on page 3)

## Field Management News

After more than 14 years of service with the Science Center, **Ms. Gwen Looby**, Assistant Field Manager for the Western Region, departed to take a position at Enron Energy Services Company in Philadelphia.

\*\*\*\*\*



In April, **Dr. David Briggs and his wife Beverly** enjoyed a dinner given in honor of his retirement. Dr. Briggs was Assistant Director at the Rutgers University EADC from 1986 to 1992, and he was then Assistant Director at OIPEA, the Eastern Region field management office, from 1992 to 1999.



---

## IAC Students Receive Awards at the 3<sup>rd</sup> Industrial Energy Efficiency Symposium and Exposition



The 3<sup>rd</sup> Industrial Efficiency Symposium and Exposition was held February 7-9, 1999 at the Renaissance Washington D.C. Hotel. More than 1,000 attendees turned out for the Expo including industry specialists, plant managers, and leaders from both the federal and state government.

The IAC Program had a good representation at the Expo. In addition to the presence of IAC Directors, the students made some noise of their own. Mr. Reicher presented four students with Industry Recognition Awards to formally acknowledge them for playing a significant role in the IAC Program and the "Industries of the Future" process. Congratulations and good luck to these outstanding individuals for their contribution and dedication to the IAC Program! The students are:



- *Laura Buchanan, University of Tennessee*
- *Derek Hengeveld, South Dakota State University*
- *Klaus-Dieter Pawlik, University of Florida*
- *Jack Zentner, Colorado State University*

---

## COMINGS AND GOINGS

### A New IAC in Texas

An IAC at Prairie View A&M University began operations with **Dr. Paul Biney** as Director and **Dr. Ziaul Huque** and **Dr. Qing-Yuan Li** as Assistant Directors.

### More Changes

**Dr. John Sheffield** replaced **Dr. Burns Hegler** as Director at Missouri-Rolla, and **Dr. Virgil Flanigan** became Assistant Director.

**Dr. Byard Wood** will serve as Acting Director while **Dr. Yunus Cengel** is on sabbatical leave from June 1999 to August 2000.

**Mr. David Luneau** is now serving as interim Director at Arkansas-Little Rock.

**Dr. Peter TenPas** became Assistant Director at Kansas, replacing **Dr. Russel Ostermann**.

**Dr. Dale Kirmse** became Director at the University of Florida, replacing **Dr. Barney Capehart**. Dr. Capehart will remain as Assistant Director until his retirement from the program in October.

**Dr. William Berry**, Assistant Director at Notre Dame, is also retiring from the program.

At the University of Dayton, **Dr. Kelly Kissock** will now have **Rebecca Blust** as his assistant. She is an Assistant Professor of Industrial Engineering Technology.

**Dr. Gail W. DePuy**, an Assistant Professor of Industrial Engineering, is now working with **Dr. Geoffrey Coburn** at the University of Louisville IAC.

**Jill Schoof** is now the Assistant Director at the University of Maine's IAC, where **Scott Dunning** is Director.

---

---

## Students

*(continued from page 1)*

**Phylissa Miller** participated in nearly 75 assessments during her stint with the EADC at the University of Tennessee. She joined the EADC as an undergraduate in 1986. After Phylissa graduated in 1987, she became **Dr. Jendrucko's** assistant. Her management role from 1987 to 1990 was her first experience as a professional, and Phylissa notes that her assessment work taught her to think critically and be flexible. She is now a manager for Harding Lawson Associates, an environmental engineering consulting firm.

**Mike Rogers** joined the San Diego IAC as a graduate student in January 1993, and worked with **Dr. Halil Guven**. As center coordinator, he attended approximately 60 assessments before he left in April 1995. Mike feels his involvement in the program was very valuable and has had a great impact on his career. The experience broadened his views about the applications of his mechanical engineering education. Mike enjoyed the energy efficiency field so much that

he made it his career, and he is now Director of Engineering at Independent Energy Consulting.

### *Assessment Stories*

Some assessments are more memorable than others. Both Adam and Phylissa have assessment stories. Phylissa remembers the tennis ball factory with tennis ball fuzz covering the ceiling and duct work, giving the factory a kind of sci-fi atmosphere. She also remembers the sausage factory, where she got a gift package of sausage on her way out after watching the pigs walk in earlier in the day. Adam had a memorable "road trip" (3 assessments in 3 days) doing metal fabrication plants. He saw process diversity: the machine screw maker that produced thousands of tiny pieces and the aircraft manufacturer that produced 25 units per year. In addition the trip highlights included a drop forge operator with no fingers, an evening poker game, and a ride in a glider.

---

---

## COMBINED HEAT & POWER



The Technology Delivery Page at OIT's web site is the place to visit for information about Combined Heat and Power (CHP) systems. CHP, or cogeneration systems, generate electrical/mechanical and thermal energy simultaneously at the point of use. In many electrical/mechanical generation systems, energy is lost as waste heat. In CHP systems, the heat is recovered and is used for steam heating or cooling. In addition, generating electricity on-site avoids transmission and distribution losses and defers expansion of the capacity of the electricity transmission grid. The inherent efficiency of CHP systems translates into energy cost savings for the customer, and significant reductions in greenhouse gases. At [www.oit.doe.gov/chpchallenge](http://www.oit.doe.gov/chpchallenge), there is information about barriers to CHP development and what the CHP Challenge is doing to overcome these barriers. There is also information on what you can do to participate in the Challenge and who you can contact.

*Visit the OIT web site at [www.oit.doe.gov](http://www.oit.doe.gov)*

The OIT has redesigned its web site to better serve customers. The OIT home page has links to Industries of the Future, News, Technology Delivery, Tools and OIT Programs.

---

---

---

## Coming Events...

- June 15-18, 1999** ACEEE Summer Study on Energy Efficiency in Industry, Saratoga Springs, NY  
<http://aceee.org>
- June 19-23, 1999** ASHRAE Annual Meeting, Seattle, WA  
(404) 636-8400 or [www.ashrae.org](http://www.ashrae.org)
- July 12-15, 1999** 29<sup>th</sup> International Conference on Environmental Systems (ICES), Denver, CO  
(212) 591 7037
- August 1, 1999** 34<sup>th</sup> Intersociety Energy Conversion Engineering Conference (IECEC), Vancouver, BC  
(212) 591-7055
- Oct 20-22, 1999** 22nd World Energy Engineering Congress (WEEC), Atlanta Georgia  
(770) 447-5083 x210 or [www.aeecenter.org/shows](http://www.aeecenter.org/shows)

**Would you like more information about the IAC Alumni Newsletter?**

**Contact:** The Office of Industrial Productivity and Energy Assessment  
Lisa Holmlund, Editor  
(732) 445-5540  
[holmlund@camp.rutgers.edu](mailto:holmlund@camp.rutgers.edu)



# **IAC Alumni**

## **NEWSLETTER**

The Office of Industrial Productivity  
and Energy Assessment  
Rutgers University, College of Engineering  
640 Bartholomew Road  
Piscataway, NJ 08854-8003

---