



Holiday gifts and thoughts from IOF-WV

By Carl Irwin, WVU

Seasons Greetings from the IOF-WV team – **Kathleen Cullen, Angela Shock, Mike Carr, Carl Irwin, Jeff Herholdt** - and best wishes for the holidays! We very much appreciate your participation during the past year in our projects, symposia, workshops, IOF-WV Day at the Capitol, and even for reading this newsletter!

Now we have some “gifts” and suggestions for you!

1. A visit to your company by the **WVU Industrial Assessment Center** – **Gopala** and his team are guaranteed to find lots of energy saving opportunities that will reduce your cost of doing business – and the assessment is a freebie!
2. A free lunch – compliments of Jeff Herholdt’s **Energy Efficiency Program** – if you participate in **IOF-WV Day at the Capitol** on January 24, 2006.
3. Technical and economic data on wood-polymer composites is available in support of new business development in the state. WPCs are a natural for West Virginia – check out **Pam Kasey’s article** on page 21 of the December 5, 2005 issue of *The State Journal*.
4. The U.S. DOE’s “**Save Energy Now!**” program is a great opportunity for large industrial energy users to have an in-depth analysis of their steam and process heating systems by a team of highly qualified industrial energy experts. The goal of this program is to substantially reduce industrial energy costs – and it’s another freebie, if you apply and are selected. Just Google “Save Energy Now” for details.
5. There’s an interesting article on **GE’s** conversion to an “eco” company in the December 2005 issue of *Industry Week* – **Jeffery Immelt**, CEO of GE, received IW’s **Technology Leader of the Year** award. Check it out at www.industryweek.com.
6. Energy recycling is a fascinating concept that **Tom Casten**, CEO of **Primary Energy** in Oak Brook, Illinois, turned lots of people onto at the recent IOF-WV symposium. His homework assignment was for us to

read the **Lawrence Berkeley National Lab** report at <http://ies.lbl.gov/iespubs/57451.pdf>. What do you think about it?

7. Last but not least is to remind you that IOF-WV and lots of other state IOFs were spawned by the national IOF program that is now part of the **DOE’s Industrial Technologies Program (ITP)**. Over the past decade ITP has provided enormous benefits to U.S. manufacturing and production companies – saving them approximately 3.99×10^{15} BTUs, which is roughly equal to \$20.4 billion (in 2003 dollars)! More details at www.eere.energy.gov/industry/technologies/commercial_successes.html
8. So, enjoy the holidays – think energy and resource efficient industry, environmental sustainability for West Virginia, and ways in which we can create energy advantages for West Virginia companies – thanks again and hope to see you in 2006!

REMINDER! IOF-WV has an opening for an Engineering Scientist

The job is to work with WVU research groups in developing and managing interdisciplinary co-funded projects with industry colleagues, national lab experts, WVDO, and other centers of excellence. Industrial experience is expected and it would be very helpful to have had experience writing research proposals and working with academic research groups. This position will work primarily with the polymer, chemical and wood products sectors. Interest and knowledge of crosscutting technologies such as industrial energy systems, combined heat and power, and bio-renewable fuels and feedstocks would be helpful.

We want to identify candidates who are enthusiastic about the IOF-WV mission and wish to build a career in helping companies, both large and small, be more energy efficient, productive, and globally competitive through research and development of new technologies and processes.

Please contact the **IOF-WV Search Committee** at (304) 293-2867 ext 5426 if you wish to nominate a candidate.

EVENTS

2006 WV Manufacturers Day at the State Capitol will be held January 12, 2006 at the West Virginia State Capitol, Charleston, WV. For more information contact the WVMA at (304) 342-2123 or wvma@wvma.com.

2006 IOF-WV Day at the State Capitol will be held January 24, 2006 at the West Virginia State Capitol, Charleston, WV. Detailed information will be coming out soon. For further information contact Kathleen Cullen at (304) 293-2867 ext. 5426 or Kathleen.Cullen@mail.wvu.edu.

A. B. Brooks Forestry Symposium sponsored by the WV Forestry Association will be held January 26-27, 2006 at the Charleston House Holiday Inn, Charleston, WV. For more information contact the WVFA at (304) 372-1955 or wvfa@wvadventures.net.

Tri-State SBIR Forum - VA, NC, WV: Research, Development and Funding Opportunities for Entrepreneurs and Innovators will be held March 21-23, 2006 at the Wyndham Hotel - Roanoke Airport, Roanoke, VA. For more information contact WV Small Business Development Center at (304) 558-2960 or visit www.sw.edu/ptac.

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Co-Funding Opportunities for IOF-WV Research Teams

Announcement	Due Dates	Funding
U.S. Department of Energy Inventions and Innovations http://e-center.doe.gov	Now Open (Request for Proposals) October 11, 2005 (Pre-proposals Due) January 31, 2006 (Full proposals Due)	\$2,000,000 in total funding
U.S. Department of Energy Chemicals Industry of the Future http://e-center.doe.gov	Now Open (Request for Proposals) January 11, 2006 (Proposals Due)	\$10,000,000 in total funding
U.S. Department of Energy Innovative Energy Systems Challenge http://e-center.doe.gov	Now Open (Request for Proposals) December 7, 2005 (Letter of Intent Due) January 25, 2006 (Proposals Due)	\$4,000,000 in total funding for Phase I projects
U.S. Department of Commerce NIST SBIR http://patapsco.nist.gov/ts_sbir/	Now Open (Request for Proposals) January 28, 2006 (Proposals Due)	\$100,000 for phase I awards \$100,000 to \$750,00 for Phase I Awards
U.S. Environmental Protection Agency Greater Research Opportunities: Environmentally Benign Manufacturing and Processing http://www.epa.gov/ogd/competition/open_awards.htm	Now Open (Request for Proposals) January 31, 2006 (Proposals Due)	\$1,400,000 in total funding anticipated
National Science Foundation Innovation and Organizational Change www.nsf.gov	Now Open (Request for Proposals) February 2, 2006 (Proposals Due)	\$1,500,000 in total funding
U.S. Department of Energy/U.S. Department of Agriculture Plant Feedstocks for Bioenergy: A Joint Research Solicitation - USDA, DOE http://e-center.doe.gov	Now Open (Request for Proposals) February 23, 2006 (Proposals Due)	\$3,000,000 in total funding anticipated in FY 2006
U.S. Department of Energy Codes and Standards for the Hydrogen Economy http://e-center.doe.gov	Now Open (Request for Proposals) March 10, 2006 (Proposals Due)	\$6,000,000 in total funding anticipated
U.S. Department of Agriculture National Research Initiative Competitive Grants Program www.csrees.usda.gov	Now Open (Request for Proposals) Due dates vary, see solicitation (Proposals Due)	\$180,000,000 in total funding anticipated

Don't Forget to Register!

2006 IOF-WV Day at
the State Capitol

January 24, 2006

West Virginia State Capitol, Charleston, WV

For further information contact Kathleen Cullen at (304) 293-2867 ext. 5426 or
Kathleen.Cullen@mail.wvu.edu or visit iofww.nrcce.wvu.edu.



West Virginia Development Office

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