



# Monthly UpDate

## Industries of the Future-West Virginia

Industrial Technology Partnerships

November 2004

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Volume 5.11

### 2004 Symposium Celebrates IOF- WV's 8th Year

by Carl Irwin

More than 200 participants at the 2004 IOF-WV symposium networked, listened, celebrated, brainstormed, questioned, and helped make this a very productive two-day gathering.

**WVU President David Hardesty** was honored for his support and participation in IOF-WV during its first eight years. He said that with the eighth symposium we are now "at the end of the beginning" and challenged us all to really "hit our stride" for the next eight years.

WVU Physics Professor **Dr. Tom Myers** talked about how nano technologies will have macro impacts on the future of manufacturing - for more information contact him at [Thomas.Myers@mail.wvu.edu](mailto:Thomas.Myers@mail.wvu.edu). **Dr. Brian Keen** of Dow's South Charleston Technical Center made a compelling case for use of bio/renewable feedstocks in the chemical industry.

**The keynote panel on industrial energy issues** confirmed there is a crisis in energy and raw material costs for WV industry. The United States currently has the highest natural gas prices in the world at \$6 per million BTU. The record high prices of natural gas are a double whammy to companies that use natural gas both as a raw material/feedstock and as a fuel for generating heat, steam, and electricity. With energy costs exceeding labor costs by a factor of four to five, there is renewed interest in bio/renewable resources as alternative sources of energy and raw material/feedstocks.

**David Satterfield**, Executive Director of the West Virginia Development Office, encouraged West Virginians to be guided by our successes and to focus on things we have the ability to change. **Rick Slater** of Simpson and Osborne discussed strategies for moving the state forward with R&D tax credits; **Bill Pollock** and **Russ Lorince** of WVU discussed WVU's new business incubator and research park.

As West Virginia's 32<sup>nd</sup> governor, 1997 – 2001, **Governor Cecil H. Underwood** spoke at four IOF-WV symposia. An 848-page volume of his State Papers and Public Addresses has just been published. The volume contains transcripts of four speeches he gave in connection with the IOF-WV program. Brief excerpts from his comments on December 13, 2000 at the 4<sup>th</sup> IOF-WV symposium follow:

*"What should our priorities be if we are to preserve our traditional economic base and encourage its growth? Those of you in the Industries of the Future program know the answer – new technologies and new processes. Through your participation, you are in the vanguard of renewing our economy because you recognize we can generate energy and use it prudently, manufacture products, create wealth, employ people, and not damage the environment. That is my vision for West Virginia. ... I am proud to have been involved in your work from the start. I believed in the Industries of the Future then, and I believe in it now more than ever. I wish you Godspeed as you take on these challenges so critical to our future."*

**THANK YOU GOVERNOR UNDERWOOD!**

#### 2004 IOF- WV Symposium Sponsors



Judel Glass



#### EVENTS

**11th Annual West Virginia Economic Outlook Conference** will be held **November 10** at the Charleston Marriott, Charleston, WV. For more information visit the WVU Bureau of Business and Economic Research website at [www.bber.wvu.edu/](http://www.bber.wvu.edu/).

**Energy Roadmap Workshop on National Coal Issues on West Virginia** will be held **November 10** in Charleston, WV. For more information visit [www.wvcoal.com](http://www.wvcoal.com).

**WV Coal Association Fall meeting** will be held **November 11, 2004** at the Radisson Hotel in Morgantown, WV. For more information visit [www.wvcoal.com](http://www.wvcoal.com).

**2005 IOF-WV Day at the Capitol** will be held **Tuesday, February 22, 2005** at the State Capitol in Charleston, WV. For further information contact Kathleen Cullen at (304) 293-2867 ext. 5426 or [Kathleen.Cullen@mail.wvu.edu](mailto:Kathleen.Cullen@mail.wvu.edu).

#### IOF-WV Contacts

**Carl Irwin**  
WVUNRCCE  
(304) 293-2867 ext. 5403  
[Carl.Irwin@mail.wvu.edu](mailto:Carl.Irwin@mail.wvu.edu)

**Kathleen Cullen**  
WVUNRCCE  
(304) 293-2867 ext. 5426  
[Kathleen.Cullen@mail.wvu.edu](mailto:Kathleen.Cullen@mail.wvu.edu)

**Nadine Kelly**  
WVU NRCCE  
(304) 293-2867 ext. 5408  
[Nadine.Kelly@mail.wvu.edu](mailto:Nadine.Kelly@mail.wvu.edu)

**Jeff Herholdt**  
WV Development Office  
(800) 982-3386 or (304) 558-2234  
[jherholdt@wvdo.org](mailto:jherholdt@wvdo.org)

**Bill Johnson**  
WVUNRCCE  
(304) 293-2867 ext. 5530  
[William.Johnson@mail.wvu.edu](mailto:William.Johnson@mail.wvu.edu)

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# Monthly Update

## Industries of the Future-West Virginia

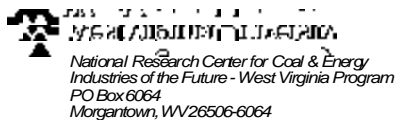
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### Co-Funding Opportunities for IOF-WV Research Teams

Announcement	Due Dates	Funding
<b>U.S. DOE Support of Coal Research at U.S. Colleges and Universities</b> <a href="http://e-center.doe.gov">http://e-center.doe.gov</a>	Now Open (Requests for Proposals) November 30 (Proposals due)	\$1.6 million for the Core Program \$400,000 for IC Phase I Program \$600,000 for IC Phase II Program
<b>NSF SBIR/STTR Manufacturing Innovation</b> <a href="http://www.eng.nsf.gov/sbir/MI">www.eng.nsf.gov/sbir/MI</a>	Now Open (Requests for Proposals) December 8, 2004 (Proposals Due)	Total Funding: \$17,500,000
<b>DOE SBIR/STTR</b> <a href="http://www.science.doe.gov.sbir">www.science.doe.gov.sbir</a>	Now Open (Requests for Proposals) December 13, 2004 (Proposals Due)	Phase I: \$100,000 Phase II: \$100,000-\$750,000
<b>NSF SBIR/STTR Manufacturing Innovation</b> <a href="http://www.eng.nsf.gov/sbir/MI">www.eng.nsf.gov/sbir/MI</a>	November 8, 2004 (Request for Proposals) December 8, 2004 (Proposals due)	Total Funding \$17,500,000
<b>DOE SBIR/STTR</b> <a href="http://www.science.doe.gov.sbir">www.science.doe.gov.sbir</a>	Currently Open (Request for Proposals) December 13, 2004 (Proposals due)	Phase I: \$100,000 Phase II: \$100,000-\$750,000
<b>Basic Research for Hydrogen Fuel Initiative</b> <a href="http://e-center.doe.gov">http://e-center.doe.gov</a>	Currently Open (Request for Proposals) January 4, 2004 (Proposals due)	Total Funding \$12,000,000
<b>NSF Advanced Materials SBIR/STTR</b> <a href="http://www.nsf.gov">www.nsf.gov</a>	October 1, 2004 (Request for Proposals) January 18, 2005 (Proposals due)	Phase I: \$100,000 Phase II: \$100,000-\$750,000
<b>USDA Higher Education Challenge Grants Program</b> <a href="http://www.csrees.usda.gov">www.csrees.usda.gov</a>	Now Open (Requests for Proposals) February 3, 2005 (Proposals Due)	Total Funding \$5,500,000
<b>Engineering Research Centers Partnerships in Transforming Research, Education and Technology</b> <a href="http://www.nsf.gov">www.nsf.gov</a>	Currently open (Request for Proposals) November 8, 2004 (Pre-proposals due) June 16, 2005 (Proposals due)	Total Funding FY 2006 \$12,000,000
<b>USDA FY 2005 National Research Initiative Competitive Grants Program</b> <a href="http://www.csrees.usda.gov">www.csrees.usda.gov</a>	Currently Open Due Dates vary - See Solicitation	\$150,000,000 in total funding



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