



# Monthly UpDate

## Industries of the Future-West Virginia

### Industrial Technology Partnerships

October 2004

iofwv.wvu.edu

Volume 5.10

As we countdown to the 8<sup>th</sup> Annual IOF-WV Symposium, it is interesting to look back at a few quotes from the 2003 Symposium. (Copies of the complete 2003 Symposium Proceedings will be given to all attendees at this year's event – agenda and registration information available at [www.iofwv.nrcce.wvu.edu](http://www.iofwv.nrcce.wvu.edu) - see you there!)

*I am pleased that so many WVMA members are active participants in IOF programs and projects, with a good prospect of increased involvement in the future. ... A recent forum sponsored by the National Association of Manufacturers highlighted the theme that future businesses will value **knowledge, information, people and innovation** as key ingredients to their success. IOF-WV is a key player in helping our manufacturers develop technologies and innovations needed to compete in the global marketplace.*

#### **Karen Price, President, WV Manufacturers Association**

*Manufacturing and technology build upon each other—we can't have new technologies without old technologies. All of us in this room know that you cannot have research without having the people who are going to use the research. It is very difficult for one to survive without the other. Therefore, manufacturing is at a crossroads. ... I don't know if this is true for West Virginia University, but the University of Illinois received a 17% cut in their state funding last year because of lost revenue from manufacturing that left their state. This is not just a manufacturing issue anymore. It is affecting state programs across the board.*

#### **Toni Marechaux, Director, Board on Manufacturing & Engineering Design, The National Academies**

*It is difficult to consider the future when your industry is struggling to remain viable, but we are trying. None of us can currently support a large R&D staff, which is another reason that these IOF-WV functions are extremely helpful. ... I'd like to thank the West Virginia Development Office and, in particular, WVU's Dr. Gopalakrishnan, who helped us reduce our energy costs with an energy assessment that really opened our eyes. Gopala's group convinced us we could save energy on our continuous caster line by installing equipment that turns the gas cutting jets on and off only as the heat is needed. This is an example of how IOF-WV recognizes the vital place that West Virginia's steel industry holds in our nation, despite difficult challenges.*

#### **Tim Duke, President & CEO, Steel of West Virginia**

*There are options in terms of where we go in to the future. We can grow, we can stagnate, or we can continue to decline, and my challenge here to all of us is to have the state, the federal government, and industry work together to proactively decide where growth can occur.*

#### **Barry Phillips, Senior Vice President, Business Development, Bayer Polymers LLC**

*One of my big kicks is leveraging. We simply do not have enough people present in our location to do all the things that we have to do. If I cannot find places such as IOF-WV to generate new ideas, to find people to work with, to leverage other peoples' capabilities through the grants that are out there, we will not be able to keep moving forward. We will only be able to sustain, which is really just a matter of delaying the death. ... For example, the IOF project we were involved with on intelligent pot control, was trying to do exactly that—find new and unique ways to identify exceptions at the lowest possible level before they become major problems.*

#### **Ric Love, Technical Manager, Century Aluminum of West Virginia**

*Industries of the Future provides key assistance. It's a break-the-mold program that gives us help and hope. It is probably one of the most effective keys we can use to look at business and job retention as long-range issues, to look at new products, new sectors, and new developments. ... As you imagine future markets and future opportunities for commerce, you will realize the necessity of serving those markets and creating a climate for commerce. We can accomplish this in West Virginia. In fact, we must accomplish this in West Virginia. That is why I appreciate Industries of the Future so much, because with this program, there is a tomorrow.*

#### **Dave Satterfield, Executive Director, West Virginia Development Office**

## EVENTS

**Glass Problems Conference and GMIC Activities** will be held **October 18-21** in Columbus, OH. For more information contact, Lisa Smith at [lsmith@gmic.org](mailto:lsmith@gmic.org) or (614) 523-3003 or visit [www.gmic.org](http://www.gmic.org).

**Morgantown Chamber of Commerce Annual Meeting** will be held on **October 23** at the Radisson Hotel in Morgantown, WV. For more information visit [www.menchamber.org](http://www.menchamber.org).

**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).

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# Monthly Update

## Industries of the Future-West Virginia

Industrial Technology Partnerships

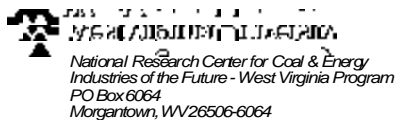
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### Co-Funding Opportunities for IOF-WV Research Teams

Announcement	Due Dates	Funding
<b>Research in Nanoscale Science Engineering and Technology</b> <a href="http://www.epa.gov">www.epa.gov</a>	Currently Open (Requests for proposals) October 14, 2004 (Proposals due)	Total Funding: \$1,200,000 Per Project: Up to \$150,000/yr for 3 years
<b>Materials World Network: Cooperative Activity in Materials Research between U.S. Investigators and Counterparts Abroad</b> <a href="http://www.nsf.gov">www.nsf.gov</a>	Currently Open (Requests for proposals) October 14, 2004 (Proposals due)	Total Funding \$5,000,000
<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: \$100,00-\$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, 2004 (Proposals due)	Phase I: \$100,000 Phase II: \$100,00-\$750,000
<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>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

**Industries of the Future-West Virginia 8th Annual Symposium** will be held **October 27-28** at the Radisson Hotel at Waterfront Place in **Morgantown, West Virginia**. Visit [www.iofwv.nrcce.wvu.edu](http://www.iofwv.nrcce.wvu.edu) for more information.



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