

November 2001

News and Upcoming Events



Industries of the Future

A program of the U.S.
Department of Energy's Office
of Industrial Technologies

Massachusetts IOF Coordinators



National Environmental
Technology Institute



Center for Energy Efficiency
and Renewable Energy



University of Massachusetts
Amherst

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Metal Processing Industries: New Stakeholder Group for MA IOF

MAIOF has committed to expanding the partnership between the Commonwealth of Massachusetts and the metal casting industry and secondary metal processing industries, such as heat treating, forging and powder metallurgy. In cooperation with Worcester Polytechnic Institute (WPI) Metals Processing Institute and Waterman Associates, UMass will offer two workshops for metal processing industries. The first workshop, to be held in early March at WPI, will focus on improving industry's participation in DOE and state sponsored services and will be open to Massachusetts and regional stakeholders. This one day event will include presentation of resources available from state, federal, and private service organizations; showcases of public/private collaborative technology, and energy efficiency projects; panel discussions lead by industry and technology experts in areas such as products and markets, materials technology, manufacturing technology, environmental technology, and breakout visioning groups. Breakout sessions will be designed to elicit exchange of ideas and identification of critical needs areas. For more information contact Eric Winkler at 413.545.2853, UMass Center for Energy Efficiency and Renewable Energy.

NETI Hosts Massachusetts Green Chemistry Research Symposium

The Massachusetts Green Chemistry Research Symposium was held on October 29 - 30, 2001 at the Conte Center for Polymer Research at the University of Massachusetts Amherst. The National Environmental Technology Institute, the University of Massachusetts, the Massachusetts Executive Office of Environmental Affairs, and the Toxic Use Reduction Institute co-sponsored this event. The program showcased Green Chemistry research at the University of Massachusetts across a broad range of disciplines. Industry leaders, University researchers, and federal and state partners participated in the research symposium. The Symposium featured five technical sessions: Alternative Feedstocks, Alternative Reactions, Alternative Solvents, Designing Less Toxic Materials, and Emerging Issues in Green Chemistry. The Symposium keynote speaker was Pat Gruber, Vice President and Chief Technology Officer of Cargill Dow, LLC, who presented the current status and future outlook for alternative and renewable feedstocks. A panel discussion was held at the end of the Symposium to discuss the formation of a New England Green Chemistry Consortium. As a follow up to the Symposium, a New England Green Chemistry Consortium White Paper will be prepared and distributed to the New England delegation. Contact Chad Nelson, NETI Director at 413.545.2842 for more information.

Metabolix of Cambridge, MA Lands New Department of Energy OIT Agriculture Industries of the Future Research Award

Metabolix of Cambridge, Massachusetts was awarded \$7.4 million in a competitive Department of Energy solicitation to study "Biomass Biorefinery for Production of Polymers and Fuel." The research will be carried out in partnership with nine University and Federal Laboratory partners including UMass Amherst, UMass Lowell, the National Renewable Energy Laboratory, and the Oak Ridge National Laboratory.

MA IOF Chemicals Workshop Held on June 20th, 2001

The National Environmental Technology Institute (NETI) held its stakeholder meeting and first MA IOF Chemicals Workshop on June 20th at the University of Massachusetts Amherst campus. During the morning session, industry, government, and university stakeholders were briefed on NETI pollution prevention partnerships, progress to date, and future initiatives. The afternoon MA IOF Chemicals Workshop began with invited speakers Paul Scheihing, IOF Chemical Team Leader, Paul Anastas, White House Office of Science & Technology Policy, and Keynote speaker Earl Beaver, Chief Technical Officer, Secretary and Treasurer, Bridges to Sustainability. The speakers provided overviews and context for the Industries of the Future initiative, speaking of the challenges the chemicals industry faces in the 21st century and the major forces reshaping the industry. The facilitated workshops brought together chemical industry representatives to develop visions and roadmaps for technologies needed to sustain economic growth in Massachusetts. The workshop participants identified five critical areas for research and development including water treatment, conservation, and reuse; reduction of energy consumption; process integration and optimization; separation processes for better water management; and materials technology. A follow up workshop is currently being planned to expand on these research and development issues. Contact Maureen O'Leary, NETI Assistant Director at 413.545.2842 for more information.

Forest and Paper Products Road Mapping Session

The MA IOF program conducted its first road mapping session with the Forest Products Industry following a meeting of the New England Technical Association of the Pulp and Paper Industry (TAPPI) / Paper Industry Manufacturers Association (PIMA) on March 2, 2001 in Springfield, Massachusetts. More than 35 attendees, representing paper manufacturers, suppliers to the paper industry, government, and the university were introduced to resources available to them through the Department of Energy's Office of Industrial Technologies. Manufacturers discussed the strengths of the Massachusetts and New England paper industry as well as industry challenges for the future.

Industrial Assessment Center Soliciting Requests for Audits

The Industrial Assessment Center at the University of Massachusetts Amherst provides energy, waste, and productivity assessments to small and mid-sized manufacturers. Assessments are provided at no cost by experienced engineering faculty and students. Opportunities for plant audits are still available this year. For more information contact Beka Kosanovic at 413.545.0684 to find out if your company is eligible.

OIT Funding Opportunities

Solicitations

SBIR/STTR
Advanced Measurement and Control in Industry and
Catalysts for Petroleum Refining and Chemical Synthesis

Invention & Innovations

Forest Products - FY 2003 Solicitation

Forest Products - FY 2003 Lab Call

State Implementation of
IOF - SEP Projects

State Implementation of
IOF - University

Chemicals Industries
of the Future

Anticipated RFP Announcements

October 15, 2001 (*Request for Proposals*)
January 15, 2002 (*Proposals Due*)
TBA (*Selection Announcements*)

November 30, 2001 (*Request for Proposals*)
February 28, 2002 (*Proposals Due*)
June 30, 2002 (*Selection Announcements*)

November 1, 2001 (*Request for Proposals*)
April 24, 2002 (*Proposals Due*)
July 15, 2002 (*Selection Announcements*)

November 1, 2001 (*Request for Proposals*)
April 24, 2002 (*Proposals Due*)
July 15, 2002 (*Selection Announcements*)

November 1, 2001 (*Request for Proposals*)
January 2, 2002 (*Proposals Due*)
May 2, 2002 (*Selection Announcements*)

November 2001 (*Request for Proposals*)
January 2002 (*Proposals Due*)

January 2002 (*Request for Proposals*)

Estimated Funding

Up to \$100,000
per award

Between \$40,000
to \$200,000
per award

\$2,000,000

\$2,000,000

\$2.8 Million
(FY 2002)

\$350,000 to \$400,000
\$45,000 to \$100,000
per award

\$3,000,000 for 1st year
\$6,000,000 for next 2 years