

**For Immediate Release:**

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**Ohio Third Frontier Provides more than \$10 Million to Support Ohio Innovation**

**Columbus** – The Ohio Third Frontier Commission today recommended more than \$7.5 million in funding through the Ohio Third Frontier Wright Projects Program, \$500,000 through the Targeted Industry Attraction Program, and \$2 million to support the International Space Station National Laboratory in Cleveland through the Research and Development Center Attraction Program.

“These investments nurture the innovative spirit of the state and will lead to technological breakthroughs and job creation,” said James A. Leftwich, Director of the Ohio Department of Development and Chairman of the Ohio Third Frontier Commission. “Supporting high-tech projects is a key component of the Ohio Third Frontier’s mission to foster economic growth and innovation.”

The programs accelerate the development and growth of Ohio’s key technology sectors that include Advanced/Alternative Energy; Instruments, Controls, and Electronics; Advanced Materials; Advanced Propulsion; and Biomedical.

The Ohio Third Frontier Wright Projects Program links the research capabilities of Ohio’s colleges, universities, and nonprofit research institutions with the specific needs of Ohio’s industries. The program is designed for resulting projects to create employment and wealth opportunities within Ohio, supporting the long-term use of capital to promote educational and training programs for workers and students in the targeted technology sectors. The awards are contingent upon State Controlling Board approval.

The Research and Development Center Attraction Program is designed to attract large, nationally designated, and highly visible corporate, nonprofit, and federal research and development centers or laboratory facilities to Ohio.

***Fiscal Year 2011 Ohio Third Frontier Wright Projects Program Awards***

**Edison Welding Institute**, located in the City of Columbus (Franklin County), in collaboration with Solidica Corporation, The Ohio State University, The Boeing Company, Velocys, the National Science Foundation’s Industry/University Cooperative Research Centers’ Smart Vehicle Center, Polytec, Honda R&D Americas, Parker Aerospace, Dukane, and Intelligent Assembly Solutions, was awarded \$1,652,970 for its *Integrated Ultrasonic Additive Manufacturing and Laser Machining for Realization of Novel Smart Structures* project. The project is focused on the development and commercialization of an advanced manufacturing technology capable of solutions for the growing field of smart materials and structures. Smart materials can change their mechanical, thermal, optical, or electromagnetic properties from one form into another, thereby enabling more predictable and desired sensing and environmental reactions of polymer or alloy structures. The project’s technology will embed smart materials into metals and can be used for a variety of commercial applications such as armor, tooling, sensors, microchannel reactors, aerospace, automotive, and reduced and/or controllable thermal expansion properties industries.

**Case Western Reserve University**, located in the City of Cleveland (Cuyahoga County), in

collaboration with DuPont Photovoltaic Solutions, Xunlight26 Solar, Q-Lab, eQED, and Underwriters Laboratories, Inc., was awarded \$2,884,755 for its *Solar-Durability and Lifetime Extension (S-DLE) Center* project. The project will provide Ohio companies with the resources necessary to expose, evaluate, and reduce solar radiation and environmental degradation in their products, including materials and modules utilized in solar panels. The technology will allow companies to provide longer service lifetimes, improved product warranties, and lower cost of ownership to end-users.

**The Ohio State University**, located in the City of Columbus (Franklin County), in collaboration with Egg Tech Limited, Weaver Brothers Poultry, Hertzfeld Poultry Farms, Hemmelgarn and Sons, Xigent Automation Systems, and the Ohio BioProducts Innovation Center, was awarded \$2,998,532 for its *Improved Human Health by Commercial Development and Deployment of Innovative Ohio Sanitation Technology: Heat/Ozone Biomedical Technology to Produce Safe Eggs* project. The project focuses on the development of a technology-based process for the pasteurization of whole shell eggs, which would reduce food borne illnesses by providing cost-effective, Salmonella-free eggs.

#### ***Fiscal Year 2011 Ohio Third Frontier Research and Development Center Attraction Program***

**Space Laboratory Associates (SLA)** (City of Cleveland, Cuyahoga County) received a \$2 million commitment of support for its proposal to manage the research, development, testing, and evaluation activities of the International Space Station National Laboratory (ISSNL) for NASA. SLA is a joint venture created by Battelle Memorial Institute and the Universities Space Research Association.

If awarded to SLA, the NASA Cooperative Agreement will have a duration of nearly 10 years and the ISSNL will have its headquarters in Cleveland along with office space and a Space Translational Research Incubator. The state grant is contingent upon NASA selecting Space Laboratory Associates for the Cooperative Agreement to manage the ISSNL. The amount of the possible NASA award is \$138.2 million.

#### ***Fiscal Year 2011 Ohio Third Frontier Targeted Industry Attraction Program***

**ThyssenKrupp Bilstein of America, Inc.** (Butler County) will receive \$500,000 to locate its Real Time Damping (RTD) Systems shock absorbers technology from its main plant in Germany to its manufacturing facility in Hamilton, Ohio. ThyssenKrupp manufactures and distributes premium quality, high-performance, technologically advanced automotive shock absorbers for original equipment automobile manufacturers, aftermarket outlets, and motorsports. The shock absorbers have a special hydraulic connection, providing a more effective combination of driving comfort, performance and optimal vehicle stability for improved safety. The RTD technology, unique to ThyssenKrupp, would be brand new to the United States. ThyssenKrupp's customers include Daimler, General Motors, Toyota, Chrysler, Ford and Nissan, among others, and the company has already received an order from Chrysler to produce the shock absorbers.

**Ohio Third Frontier**, an unprecedented and bipartisan commitment to create new technology-based products, companies, industries, and jobs, has attracted more than \$5.9 billion in other investments to Ohio, and has a nearly 9:1 return on investment since its inception. The Ohio Third Frontier has also assisted in the creation and retention of more than 68,000 direct and indirect jobs for Ohioans. For more information, visit [ohiothirdfrontier.com](http://ohiothirdfrontier.com).

Working with partners across business, state and local governments, academia, and the nonprofit sector, the **Ohio Department of Development** works to attract, create, grow, and retain businesses through competitive incentives and targeted investments. Engaged every day in marketing, innovating, investing, and collaborating, the **Ohio Department of Development** works at the speed of business to accelerate and support the teamwork that is necessary for success by providing financial, informational, and technical assistance to those making an investment in Ohio's future.

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