



Idaho Office of Science & Technology

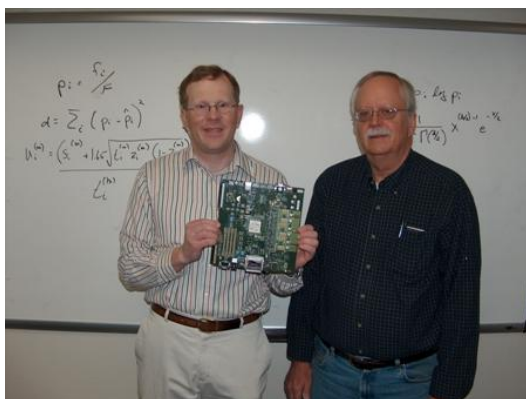
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**Computer Measurement Laboratories Wins Air Force Phase 2 SBIR**

(Boise) Computer Measurements Laboratory, LLC (CML) has won a U.S. Air Force Phase II grant award titled "Dynamic Kernel Monitoring for Attack Detection and Mitigation." CML is a small startup company co-founded a little over one year ago by Dr. John Munson, with the University of Idaho, and Rick Hoover, an 18-year veteran of Hewlett-Packard. Their key business focus is in the area of reliability and security for computer software through engineering measurement techniques. This highly innovative technology holds the promise of enabling very reliable and secure software, which could eventually ripple through the entire software industry.



Rick Hoover and Dr. John Munson

**August 2008 Events Calendar**

**August 7th**

**Kickstand**

**Twin Falls**

Monthly education and networking for innovators. 6 - 7:30 pm at Pandora's, Twin Falls. To register for the event, go to [www.kickstandidaho.com](http://www.kickstandidaho.com) or contact [brandon.armstrong@idahotechconnect.com](mailto:brandon.armstrong@idahotechconnect.com).

**August 13th**

**Eagle Technology Group**

**Eagle**

A committee interested in developing and expanding Eagle's technology sector and capitalizing on existing strengths. For more information on joining the group or attending meetings, contact Rosemary Regner at [rose@r2dm.com](mailto:rose@r2dm.com).

**August 14th**

**Kickstand**

**Boise**

Monthly education and networking for innovators. 6 - 7:30 pm at The Watercooler, 14th & Idaho Streets, Boise. To register for the event, go to [www.kickstandidaho.com](http://www.kickstandidaho.com) or contact



## Federal Grant Proposal Assistance

(Statewide) If Your Business Has An Innovative Idea, A Federal Grant May Be Right For You! Why apply for a federal grant?

Eleven federal agencies spend approximately \$80 billion each year on extramural research and development (R&D). These agencies are looking for companies with innovative ideas and are willing to provide grant funding. If that's not enough, here are seven additional reasons to include grants in your business plan:

- A federal grant can range from \$100,000 to several million dollars.
- Grants are not loans. You do not have to pay back the money.
- Most grants do not require matching funds or equity.
- The intellectual property rights remain with your business.
- You retain all ownership of your business.
- A federal grant award provides validation of your business and idea.
- A federal grant award can be a leveraging tool to attract venture capital.

Here's how it works! The federal grant process is very competitive. To compete, you must have a truly innovative idea and it must meet needs or solve problems deemed to be vital to our national interests. Fortunately, each agency issues topics that they deem vital. For more information, visit the Department of Commerce website listed below.

State Grant of up to \$3,000! Assistance in preparing and developing federal R&D grant proposals - with potential for commercialization - is available to Idahoans statewide through the Idaho Grant Proposal Incentive (GPI) Fund. A small grant, up to \$3,000, is available to qualifying businesses to help with the costs of applying for a federal R&D grant. Services include helping to determine the viability of submitting a proposal; assisting in the development of superior proposals; helping to fine tune business and commercialization strategies; and assessment of the final submission package.

For more information concerning federal grants and the \$3,000 state grant from the GPI Fund, visit our website at <http://commerce.idaho.gov/technology/federal-funding.aspx> or contact Mark Strait (pictured above) at [mark.strait@commerce.idaho.gov](mailto:mark.strait@commerce.idaho.gov).

## M2M Manages Irrigation, Pays Farmers, Saves Electricity

(Boise) M2M Communications Company of Boise designs and manufactures specialty communication equipment for the energy sector. M2M Communications devices give a utility the ability to shed large non-critical loads in high demand situations such as on hot summer days.



M2M Communications has successfully deployed a sophisticated irrigation load control program for Rocky Mountain Power in

southeastern Idaho. The company has designed a series of rugged wireless (cellular & RF based) control devices and a web-to-wireless network operations center as a versatile and secure method to remotely monitor and control energy usage at irrigation pump sites. 4,000 load control units are being installed, allowing Rocky Mountain Power to shift enough energy from irrigation pumps to power over 40,000 homes.



Massive irrigation pumps like these consume tremendous amounts of electricity, and can easily be controlled by M2M Communications systems.

During the summer months, as much as one-third of the total power consumption in rural areas is devoted to irrigation pumps and systems. Direct load control programs give utility companies the ability to reschedule the power consumption for various types of

equipment at participating customer sites during times of peak energy demand--a benefit for which utilities are typically willing to compensate the participating customer.

M2M's system integrates with both the pump and the electrical system to control and monitor both water flow and electrical consumption.

The benefits of Demand Side Management projects to consumers, utilities, and society are significant:

- Reduced customer energy bills
- Reduced need for new power plants and transmission & distribution networks
- Reduced air pollution
- Reduced dependency on foreign energy sources
- Reduced peak power prices for electricity
- Prevention of future electricity crises

For more information: <http://www.m2mcomm.com>

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## Ideas Innovations Idaho License Plates Set To Become Collectors' Items



(Statewide) Specialty license plates that celebrate innovation and support Idaho's high-tech industries are entering their third year of availability through the Idaho Transportation Department. Continued availability of the plate will depend on total sales.

A portion of the proceeds from each plate sold goes to a fund that is used to develop programs and market the state's technology sector. Souvenir plates are also available.

A picture of the license plate, and information on how to purchase one, can be viewed at

<http://commerce.idaho.gov/technology/license-plate.aspx>