

# THE LENS

## Continued Outreach Success



*April 29, 2011 – Stuart Schoenmann and Lenore Abbott of CVI Melles Griot with Senator Tom Udall*

On March 7<sup>th</sup>, **nmOptics** hosted a reception and dinner in Santa Fe, NM for government officials and legislators. This meeting attracted top business leaders in high technology, congressional staffers, and many state and local government officials. The purpose was to introduce and educate our public officials about our industry.

On March 20<sup>th</sup>, **nmOptics** met with **Representative Martin Heinrich** (NM-D) and **Representative Adam Smith** (WA-D) to discuss Patent Reform Legislation, ITAR, and the technology transition "Valley of Death."

On April 5<sup>th</sup>, **nmOptics** participated in State Officials Day at AFRL. The event included talks, tours, and networking for 40 public sector officials.

On April 29<sup>th</sup>, **CVI Melles Griot** hosted an **nmOptics**-organized meeting with **Senator Tom Udall** (NM-D) and 14 of our member companies. The Senator, his staffers, and company representatives also participated in a tour of CVI Melles Griot's facility.

On May 20<sup>th</sup>, **nmOptics** participated in a technology leaders conference with **Representative Ben Ray Lujan** (NM-D).

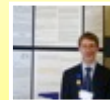
On May 27<sup>th</sup>, **nmOptics** accompanied **Senator Jeff Bingaman** (NM-D) on a "tech tour" and on May 29<sup>th</sup>, we accompanied **Senator Tom Udall** on a different tech tour.

On June 22<sup>nd</sup>, **nmOptics** hosted **Governor Susanna Martinez** and **Cabinet Secretary Jon Barela** on a tech tour.

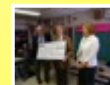
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## The LENS

is provided for the members of the nmOptics Association.

News articles and story ideas from members are encouraged! Please forward to:

[patricia@nmoptics.org](mailto:patricia@nmoptics.org)

## Photonics & Satellites Industry Cluster Established

As noted in our page 1 story, **nmOptics'** outreach is the first step in gaining federal and state recognition for the importance of our industry.

Below is additional insight.

With the increased visibility of our industry and leadership from member company **Peacock Myers, P.C.**, a new Photonics and Satellites New Mexico industry cluster has been identified and included in the State of New Mexico Science and Technology Plan.

The cluster is a grouping of technologies, i.e., optics, photonics, micro/nano advanced materials, directed energy, space vehicles, information technology, and electronics that, taken together, form the next big industry in New Mexico.

The cluster is now recognized and is supported by state officials including **Governor Martinez** and **Cabinet Secretary Barela**.

Many thanks to **Dr. Hilary Noskin** with **Peacock Myers, P.C.** for her work on this effort

We will continue to inform and educate our state's leaders on our industry.

## National Advocacy Continues

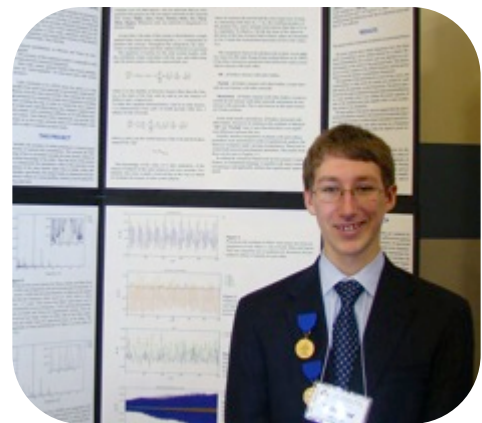
**nmOptics** continues its active participation with SPIE to ensure a national advocacy for a number of our strategic interests.

**nmOptics Chairman, Jim McNally**, recently chaired an SPIE Industry Task Force that developed industry recommendations on the taxonomy and the key data for an update to the 1998 National Research Council report, "Harnessing Light." This has resulted in the launch of the National Academy's Harnessing Light II study ("Harnessing Light: Capitalizing on Optical Science Trends and Challenges for Future Research") due for completion in 2012.

**nmOptics** also led the initiative to get a letter of endorsement signed by the SPIE President supporting the DoD Rapid Innovations Program (RIP) funding which has been included in the FY12 appropriations. RIP will benefit the transition of technologies by implementing a program with funding to move emerging, innovative technologies to market and aid in bridging the "Valley of Death" between science research and commercialization. Commercialization of this research will help build our economy and drive job creation.

## New Mexico State Science Winner

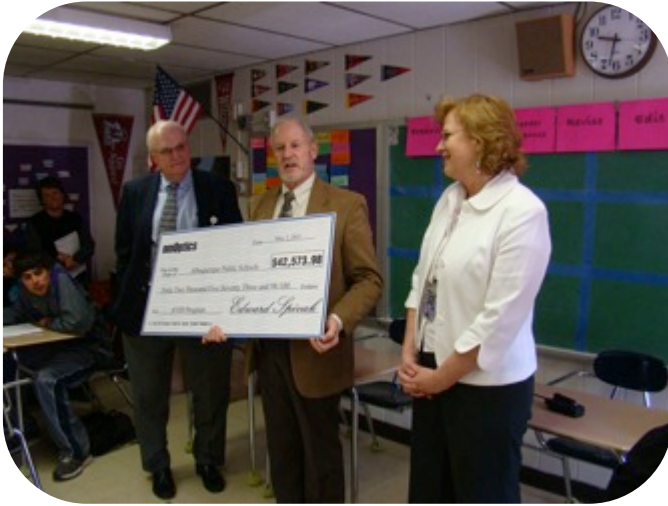
Top prize winner **Nikita Bogdanov** with his entry, "Characterizing the Effects of Asteroid Belt Perturbations on the Orbits of Inner Planets."



Mr. Bogdanov received third place honors in the Senior Physics and Astronomy category at this year's state science fair. **nmOptics** awarded him a cash prize of \$250.00 and the Professional Aerospace Contractors Association (PAC) awarded him \$150.00.

**nmOptics** also presented other cash awards of \$150.00 and \$100.00 to the runners-up who entered projects in the optics/photonics category.

## Federal Grant Completed



May 6, 2011 – Check presentation by **nmOptics** President Ed Spivak to Winston Brooks and Therese Carroll, Principal of Manzano High School.

As of May 31, 2011, **nmOptics** completed the WIRED Grant by providing \$377,000 to six area high schools, Central New Mexico University, and New Mexico MESA to help stimulate career technical education.

One of the highlights was the presentation of a check for \$42,000 to Albuquerque Public Schools Superintendent, **Winston Brooks**.

The funds were used for curriculum, educational materials, supplies, job tours, teacher professional development, and educational events.

## Welcome New Members!

nmOptics is pleased to welcome the following new members:

### Roger O'Brien – President, O'Brien Associates LLC

General Management Consulting – Mr. O'Brien assists companies in positioning-for-growth and maximizing their profitability, through strategic planning, coaching on selling effectiveness, and internal business process improvement. He also serves as an interim President/CEO for companies in transition. Please refer to his company website for more detailed information as well as comments from past clients: [www.ROBrienAssociates.com](http://www.ROBrienAssociates.com)



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## Welcome New Members! (cont'd.)

### Hilary A. Noskin, Ph.D. – AfterMath Camp



**AfterMath Camp** is an impactful math camp for high school and middle school students. Participants will encounter a fun way to solve math problems. The program is spearheaded by Dr. Noskin.

Dr. Noskin brings both technical skills and community involvement as she has been active on community boards and with programs including the Albuquerque Hispano Chamber, Keshet Dance Company, the Association of Commerce and Industry, the Advisory NM State Bar Board of Bar Commissioners, and as an Honorary Commander for Kirtland Air Force Base-Directed Energy Unit. She is a registered patent attorney and a member of the New Mexico Bar and of the District of Columbia Bar. She works at Peacock Myers, P.C., also a member of **nmOptics**. For more information about the AfterMath program, please visit their website:

[www.aftermathcamp.com](http://www.aftermathcamp.com)

### Mark Walztoni – Chief Business Development Officer, Lotus Leaf Coatings, Inc.



**Lotus Leaf Coatings** sells and sub-licenses liquid repellent (super-hydrophobic) and liquid loving (hydrophilic) coatings to large industrial users to solve expensive and potentially dangerous problems that include water damage, impaired vision, and corrosion. Their chemistry-based nano/micro structure coating materials are protected by a combination of organic intellectual property and three patents licensed from the University of New Mexico and Sandia National Laboratories.

Mark is also a Board member with the New Mexico Angels and New Mexico Biotechnology and Biomedical Association and has assisted multiple start-ups in leadership team staffing, development, and technology commercialization. Website: [www.lotusleafcoatings.com](http://www.lotusleafcoatings.com)

### Darrel Neal – Regional Sales Representative for New Mexico, Diamond USA



**Diamond USA** is a worldwide leader in supplying high precision, low loss fiber optic connectors and assemblies. They manufacture fiber optic connectors and hybrid fiber optic/electrical connectors for aerospace, military, medical/healthcare, energy, industrial, OEM, and telecommunication applications. Diamond USA provides high power fiber optic connectors, polarization-maintaining fiber optic connectors, multi-ferrule, multi-fiber connectors, field installable fiber optic connectors, custom fiber optic and hybrid assemblies, as well as associated passive fiber optic components and all associated wall and rack mount panels and hardware.

The Diamond USA factory is located in Chelmsford, MA and it has Regional Sales Representatives in CA, TX, and PA. Their website address is:

[www.diausa.com](http://www.diausa.com)



## Directed Energy Outreach on Track

On January 5<sup>th</sup>, **nmOptics** organized and hosted the *Bridging the Gap* conference to focus attention on the procedural and funding issues of taking high technology government products from demonstrators to prototypes and beyond.

**Cynthia Kaiser**, AFRL/DE Chief Engineer was the main AFRL organizer. Approximately 120 people attended the conference and generated many ideas and potential solutions.

The Directed Energy Professional Society is providing a national outreach effort, while **nmOptics** is providing a New Mexico-centric outreach. DEPS has hosted several events in Washington, D.C. for Pentagon and legislative officials. We are currently planning additional events in 2012.

## Membership Renewals Now Due

Invoices have been sent. All current members are encouraged to renew their yearly membership by following our website link

<http://www.nmoptics.org/joinnmoptics.org> and renewing via PayPal with a major credit card.

Or, if you prefer, send an e-mail to Patricia Harrison at [patricia@nmoptics.org](mailto:patricia@nmoptics.org) to request an invoice by regular mail. Thanks!

## Gateway to Exporting Program Established

Are you interested in exporting? The **New Mexico Small Business Development Center (SBDC)** has launched a "Gateway to Exporting Program." This program can assist you in becoming export ready, provide access to international trades resources, promote products in selected target markets, help identify buyers, facilitate meetings with buyers, cross border manufacturing, and more.

If you are interested, contact **Paulina San Millan**, International Trade Consultant by e-mail or phone: [paulina.sanmillan@gmail.com](mailto:paulina.sanmillan@gmail.com) 505.818.2584

## MEP Lean Service Training

The **New Mexico Manufacturing Extension Partnership (MEP)** is your source-provider for technical resource and business solutions in New Mexico. They specialize in the use of Lean methods and tools and other productivity strategies.

You may qualify for funds to off-set the cost of the LEAN Service/Training assistance.

For further information please contact **Denise Williams** at 505.860.9961 or via e-mail at [denisew@newmexicomep.com](mailto:denisew@newmexicomep.com).

## Board of Directors

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**Bryan Kelchner**  
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New Mexico Tech

**Tom Tonnessen**  
InSync Optics

## Advisors

**John Garcia**  
Director, Economic Development  
City of Albuquerque

**David Wick**  
Distinguished Member of Staff  
Sandia National Laboratories

## Upcoming Meetings and Events:

September 15, 2011: **The Boeing Corporation** will host a members ONLY meeting at their offices located at 4411 The 25 Way, NE, Suite 350 to discuss the impact of Gross Receipts Tax on New Mexico businesses. Members will be notified when the meeting registration link is available. Meeting times will be announced on our website and on the reservation links. Join or renew your membership so that you can attend this important meeting.

October 6, 2011: **L3-Bashear-Integrated Optical Systems** will host a talk about a new type of telescope. This meeting is restricted USA citizens ONLY. Members will be notified when the meeting registration link is available. Meeting times and location information will be announced on our website and on the reservation links. Join or renew your membership so that you can attend this important meeting.

October 26, 2011: The next **nmOptics** Board of Directors meeting will be held from 12:00pm to 1:30pm at the Rodey Law Firm's offices located at 201 3<sup>rd</sup> St., NW, Suite 2200. Lunch will be provided. Members are welcome to attend.



*Powered by three universities, two national laboratories, one military laboratory, and hundreds of technology-based companies, New Mexico has long been a leader in advanced technology research and development. New Mexico's leading edge optics technology strengths include control systems, directed energy, telescopes, communications, imaging, medical instructs, drug discovery processes, and many other new and emerging sciences and technologies.*