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AmeriCOM Highlights Progress at APOMA Tech Workshop

Meet the New AmeriCOM Team Members

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- · Optics Capture Incredible Images of Powerful Hurricanes
- **New AmeriCOM Team Members Take on**

AmeriCOM's three new team members will support its mission of building and sustaining the nation's precision optics manufacturing base.

Critical Roles



about our training programs through our marketing outreach campaign, The Future Is Optics. "I want to support students throughout their journey from initial



interest [in optics] to enrollment into an optics degree or certificate program across

someone find their path." Prior to this new role, Magda worked at Valencia College in Orlando, FL, where she managed multi-program recruitment for optics, robotics,

Jeff Iorio joined the team as an Optical Technician and will operate all facets of COM-Lab, AmeriCOM's new lab facility. Jeff will support our research mission to aid development of advanced precision optics manufacturing technologies and testing equipment. Jeff has almost a decade of experience in optics manufacturing through

our ecosystems," Magda said. "There's nothing more rewarding than helping

semiconductor manufacturing, and industrial automation.



his time at Monroe Community College (MCC) and Optimax. While at MCC, Jeff joined the first NYS Certified Precision Optics Manufacturing Apprenticeship program. The program included three years of on-the-job training rotations across all departments at Optimax – equipping employees to become effective, proficient precision optics manufacturing technicians. During his time in the apprenticeship program, Jeff completed his associate degrees in Optical Systems Technology and Precision Machining. **Justin Ghyzel** also joined the AmeriCOM team as a COM-Lab Optical Technician. Justin earned his associate degree from MCC through the Precision Machining program. While attending MCC he was hired by Optimax to generate and polish prototype asphere lenses. Justin has more than 14 years of optical manufacturing experience, including several years starting and leading the company's diamondturning process. "I enjoy learning new things and getting my hands into any project

put in front of me," Justin said. "I'm excited to work in COM-Lab with industry leaders to drive innovations that will strengthen American optics manufacturing."

DPOC User Facility - Equipment Optipro eSX 300 5-Axis CNC Grinder Optipro UFF 300 CNC Ultraform Polisher Optipro 160P+ CNC Spherical Polisher Optipro UltraSurf 5X 400 Non-Contact Metrology Zygo Verifire HD-MST Laser Interferometer Zygo NewView 9000 3D Optical Profiler Keyence VHX 7000 Digital Microscope JA Woolam V-VASE and IR-VASE Ellipsometers Soon to add:

 5-Axis Diamond Turning Machine for >25" diameter optics Automated Spectroradiometer / Spectrophotometer

APOMA Tech Workshop Convenes Optics Stakeholders



that end, AmeriCOM has recently awarded the following projects to develop

curriculum for optical standards courses and develop a strategy for integrated optics

Read More About the Projects Awarded

Join the Defense Precision Optics Consortium (DPOC)

 Rental of the AmeriCOM research lab facility, COM-Lab, on a fee-for-time basis including access to equipment, tools, and its trained technical staff for process

Ability to submit proposals through AmeriCOM-funded grant opportunities for

To enroll in DPOC, fill out the **application form** and a member of the AmeriCOM

Participation in secure online user's forums led by the AmeriCOM Chief Scientist and Director of Engineering • Access to AmeriCOM's marketing brand and social media platforms, shared public relations activities, and participation in the national outreach campaign, The Future is Optics

R&D projects

DPOC Membership includes:

assembly manufacturing.

DPOC team will contact you about next steps.

development and equipment operation

Community Events Capture Student Interest in Manufacturing and STEM

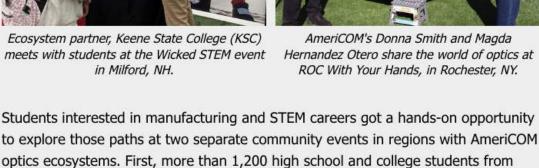
Northern New England explored disciplines in Science, Technology, Engineering, and Math (STEM) during the 3rd Annual Wicked STEM event in Milford, NH. AmeriCOM partner Keene State College (KSC) was an event sponsor, engaging students and families with hands-on activities and demonstrations. Wicked STEM is designed to cultivate and sustain the interest of students in STEM careers through face-to-face

Meanwhile, the Rochester Technology and Manufacturing Association (RTMA) hosted

several hands-on activities including a hologram viewer and a 3-D mirror magic trick

an event introducing students to careers in skilled trades and advanced

manufacturing. The 4th Annual ROC With Your Hands event drew more than a thousand middle and high school students. AmeriCOM Science Educator Liaison, Donna Smith, and Community Liaison for Optics Ecosystems, Magda Hernandez Otero, captured students' attention by demonstrating optics principles through



experiences with local experts.



using polarizing lenses. Students also lined up for what turned out to be a big hit of the event, temporary tattoos featuring AmeriCOM's Light Up Your Future With **Optics** campaign. "The first step is getting them curious about how much optics impact our lives," Smith said. "Once we have their interest, we show them how **Precision Optics Play Critical Role** in Tracking Hurricanes Photo credit: https://satlib.cira.colostate.edu/event/hurricane-miltor

AmeriCOM's Donna Smith and Magda

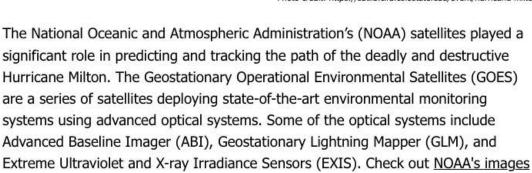
Hernandez Otero share the world of optics at

ROC With Your Hands, in Rochester, NY.

<u>Days</u> Tuscon, AZ Jan. 22-24, 2025

<u>Arizona</u>

Photonics



SPIE

Photonics

West

San Francisco, CA

Jan. 25-30, 2025

Optics Summit

UPCOMING EVENTS

Vol. 2, Issue 7 - November, 2024 We are pleased to share this edition of our newsletter with you. If you enjoy this content, please share with anyone you think may also appreciate it!

Subscribe to the Optics Insider for the latest in optics news each month.

of Hurricane Milton from the GOES-16 and GOES-19 satellites.

<u>Photonics</u>

Spectra Polymer

<u>2024</u>

Virtual Event

Dec. 4, 2024

<u>Defense</u>

Manufacturing

Conference

(DMC) 2024

Austin, TX

Dec. 2-5, 2024

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