



Michigan Photonics Cluster

115 Holmes Road
Ypsilanti, 48198

Photonics West 2017
Mi-Light Participating Members

Date: 01/26

SPIE Photonics West 2017 is the world's largest multidisciplinary event focusing on photonics technologies. With more than 20,000 attendees and 4,800 papers presented in 2016, in the areas of biomedical optics and biophotonics, industrial lasers and laser sources, optoelectronics devices and materials, nano-photonics and MOEMS-MEMs.

Mi-Light is proud to be a part of this event and very proud of our members who are participating. We hope you drop by to get to know these companies and how they are influencing the photonics industry.

IPG (Mi-Light Platinum Sponsors) Booth #1623 <http://www.ipgphotonics.com>

IPG Photonics is the leading developer and manufacturer of high performance fiber lasers and amplifiers for diverse applications in numerous markets. IPG's diverse lines of low, medium, and high power lasers and amplifiers are used in materials processing among other applications. Our products are displacing traditional applications in many current applications and enabling new applications for lasers. IPG is based in Oxford, Mass with additional manufacturing sites in Germany, Italy and Russia.

Laser Mechanisms, Inc. (Mi-Light Platinum Sponsor) Booth #2626, <http://www.lasermech.com>

- Specializes in the manufacture of laser beam delivery components and articulated arm systems for industrial, medical and military.
- Provides value-added product development and manufacturing services including engineering, packaging, production assembly and testing
- Leading provider of contract manufacturing services to the medical device market

Trumpf (Mi-Light Platinum Sponsors) Booth #1600, <http://www.us.trumpf.com>

- High-tech company focusing on manufacturing and photonics technologies
- Industrial laser & laser system manufacturer
- Family business est. in 1923 with 50 subsidiaries, 11,500 employees & \$3.5B in sales
- Over 110 employees & a 40,000 sq. ft. Michigan facility with sales, service & laser applications laboratory

Aerotech, Inc. Booth 1733 <http://www.aerotech.com>

Aerotech manufactures automated alignment, positioning, and motion control systems and components for 24/7 manufacturing. Products include hexapods; optical mounts and gimbals; single- and multi-axis direct-drive and piezo nanopositioners; gantry systems; goniometers; galvanometers; air-bearing and mechanical-bearing linear, rotary, and lift stages; a full line of single- and multi-axis motion controllers; PWM and linear drives; linear and rotary brushless motors; and custom systems.

Countour Metrological & Manufacturing Booth 2630 <http://cmmoptic.com>

Contour Metrological & Mfg., Inc. (CMM) manufactures high precision optics with state of the art diamond turning machining centers. CMM supports customers from conception to production. Markets include Aerospace, Military, Medical, Industrial, Communications, and Research. Polymers and non-ferrous metals are our specialty. Contact Chuck Fayed, Sales Manager, cfayed@cmmoptic.com

Electro Optics Technology, Inc. Booth #2601, <http://www.eotech.com>

- Sells Optical Isolators from the UV region to the Mid-IR for high average power and high pulse energy solid-state lasers and fiber lasers as well as semiconductor lasers.
- Sells photodetectors for pulse width and frequency response measurements for wavelengths from 190nm – 5000nm and frequencies up to 22GHz.

Fraunhofer Booths 4629, 4324, 4566, 1433 <http://www.fraunhofer.org>

- Fraunhofer USA, Inc., performs applied research under contract to government and industry
- State-of-the-art laser lab in Plymouth, Michigan
- Since 1994, developing laser materials processing solutions for cutting, welding, drilling, structuring, cladding, additive manufacturing, and process monitoring

IMRA America, Inc. Booth 1019 <http://www.imra.com>

The most experienced femtosecond fiber laser company, providing compact, reliable products since 1990. IMRA's pioneering technologies, rigorous quality control and high volume manufacturing operation make our lasers the sound choice for scientific, OEM and industrial use. Applications include processing of transparent materials, thin film ablation, waveguide writing, pulsed laser deposition, multiphoton microscopy, non-linear spectroscopy, terahertz generation, and refractive surgery.

LumenFlow Booth#4371 <http://lumenflow.com>

LumenFlow Corp is a designer and manufacturer of small to medium volumes of optical sub-assemblies for OEMs. LumenFlow also leads in the design and use of Silicone optical materials.

Mi-Light Booth #4371 <http://Mi-Light.org>

Mi-Light serves as the focal point for the photonics industry in Michigan, bringing together professionals from companies, academia and organizations, dedicated to mutually supporting, promoting and growing Michigan's photonics industry. We are active in helping our members to connect through quarterly meetings and we help develop the talent pipeline by supporting new and established photonics programs.

NoIR Laser Shields Booth #3054 <http://www.lasershields.com>

- Manufacturer of Laser Safety Eyewear
- Family owned, established in 1995 as an off-shoot of NoIR Medical Technologies (1973).
- 30+ employees; all manufacturing and sales done from SE Michigan facility

Ophir Optics, LLC Booth 1400 <http://www.ophiropt.com>

Ophir Optronics, now a part of MKS Instruments, is a global leader in precision IR optics, laser measurement instrumentation, and 3D non-contact measurement equipment.

Plasmo Industrietechnik GmbH Booth 5265-C <http://www.plasmo-us.com>

Plasmo Industrietechnik GmbH is the market leader in the field of quality assurance solutions for automated metalworking production. We are an innovative company that is absolutely specialized in the area of quality assurance. While our headquarters is based in Vienna, we maintain a worldwide network of Plasmo branches and partners. Plasmo delivers quality assurance solutions that enable our customers to implement a secure, efficient, and cost-optimized production.

Precitec Booth #4322 & 2815 <http://www.precitec.com>

CHRocodile sensors and sensor systems of Precitec Optronik are technology and quality leaders on distance and layer gauge measurement. The stand for robustness, dynamics, and the highest precision. Preferred area of application: the nanometer to centimeter range. We measure with extreme precision. And that even "Inline" during the production process. That in turn means: Our measurements are not only absolutely exact, but also extremely fast.

Smart Vision Lights (New Mi-Light Member) Booth #4371 <http://www.smartvisionlights.com>

Smart Vision Lights is a leading designer and manufacturer of high-brightness LED lights for industrial applications, including machine vision. Our products come with universal internal current-control drivers, offering constant or strobed operation, reduced wiring requirements, and easy installation. Our LED lights also are the safest on the market thanks to our in-house IEC 62741 light-testing laboratory, guaranteeing regulatory compliance.

Thorlabs Booths 1300 & 1701 <http://www.thorlabs.com>

Since 1989, Thorlabs has proudly served the Photonics community through its growing catalog of over 20,000 products. As a USA based company with end-to-end design, manufacturing, and distribution facilities located worldwide, its catalog includes components to system-level solutions in product categories such as optomechanics, fiber, optics, semiconductors, lasers, and imaging. Leveraging its design and manufacturing capabilities, Thorlabs also offers complete custom options for OEM integration.