

THE PLACE TO BE FOR PHOTONICS TECHNOLOGIES

**SPIE. PHOTONICS
WEST**

THE MOSCONE CENTER
SAN FRANCISCO, CALIFORNIA, UNITED STATES
27 JANUARY - 1 FEBRUARY 2018

AUVERGNE
RHÔNE-ALPES
COMMITTED
FRENCH TECH
MEMBER

 **La Région**
Auvergne-Rhône-Alpes


MINALOGIC

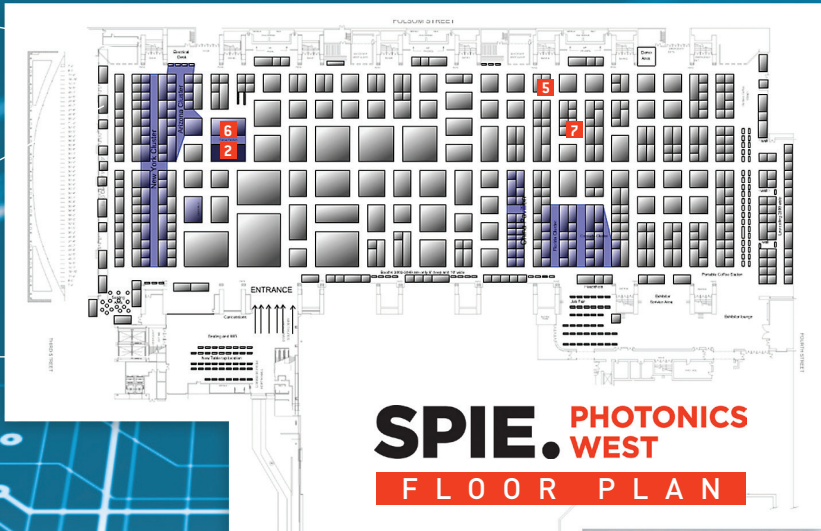

MINALOGIC


**La
FRENCH
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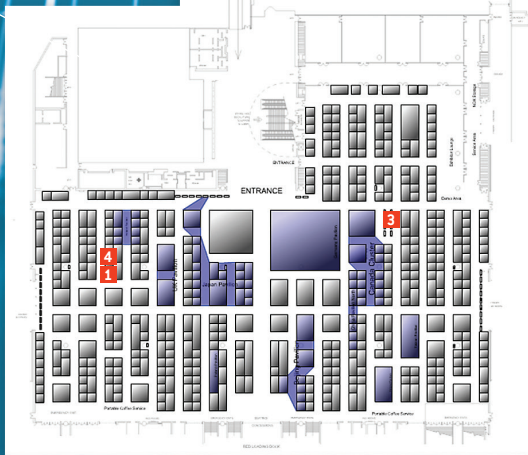






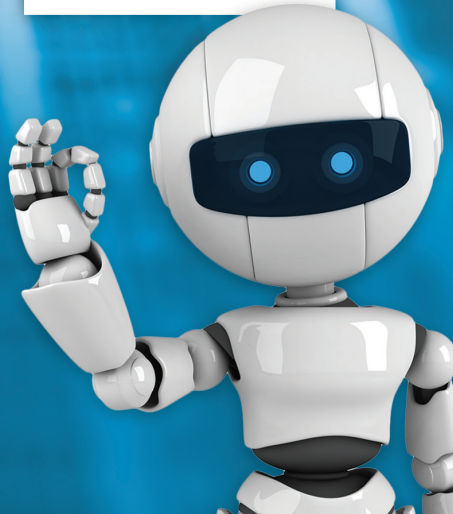
SPIE. PHOTONICS WEST

FLOOR PLAN



LIST OF PARTICIPANTS

- ALPAO **1**
- CEA **2**
- CEDRAT TECHNOLOGIES **3**
- RESOLUTION SPECTRA **4**
- SOFRADIR **5**
- TEEM PHOTONICS **6**
- TELEDYNE E2V **?**





ALPAO



ALPAO designs and manufactures a complete range of adaptive optics products; deformable mirrors, wavefront sensors and adaptive optics systems, to fit all applications from cost effective to state-of-the-art products.

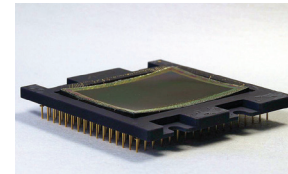
ALPAO Deformable Mirrors are based on continuous reflective surface motioned by magnetic actuators. They feature large strokes, high dynamic motion and an excellent optical quality to meet and exceed your requirements for fast and accurate wavefront correction.



Dr. Bertrand CHARLET, Sales Engineer
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LETI



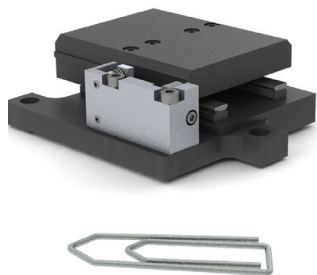
Founded in 1967, Leti is a French technology research institute at CEA Tech, based in Grenoble. Leti is a global leader in miniaturization technologies enabling smart, energy-efficient and secure solutions for industry. With 1,900 people, a portfolio of 2,700 patents, 91,500 sq. ft. of cleanroom space and a clear IP policy, Leti tackles critical challenges in healthcare, energy and digital migration, and has launched 60 startups. Follow us at www.leti-cea.com and @CEA_Leti.



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CEDRAT TECHNOLOGIES



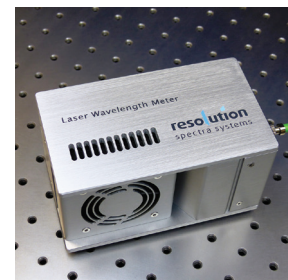
CEDRAT TECHNOLOGIES is an internationally recognized mechatronics specialist and manufacturer of piezo and magnetic actuators. We offer a wide range of standard products: amplified (APA®), pre-stressed piezo actuators, XY piezo stages, stepping motors, shutters, magnetic actuators, the associated electronics and also customised products. We have a strong experience in developing Compact, Dynamic & Precise solutions for the optronics and photonics fields for demanding clients.



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RESOLUTION SPECTRA



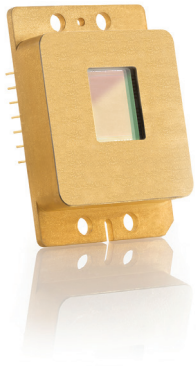
Set up back in 2011, RESOLUTION Spectra Systems offers high resolution Laser Spectrum Analyzers and Wavelength Meters in the VIS-NIR range (630-1100 nm). Those are ideal tools for characterizing pulsed and CW lasers. Based on SWIFTS™ technology, these innovative instruments have unique features: compactness, high accuracy, speed and robust calibration.



Thierry GONTHIEZ, General Manager
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SOFRADIR



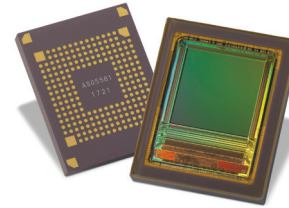
Sofradir is the leading developer and manufacturer of key classes of advanced infrared (IR) detectors for military, space, scientific and industrial applications. Its vast IR product portfolio covers the entire spectrum from visible and near infrared to very far infrared. Sofradir pioneers developments in cooled IR detectors based on a sophisticated high performance technology: Mercury Cadmium Telluride (MCT), to which Sofradir has added Indium Antimonide (InSb), Indium Gallium Arsenide (InGaAs) and Quantum Well Infrared Photodetector (QWIP) technologies.



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TELEDYNE E2V



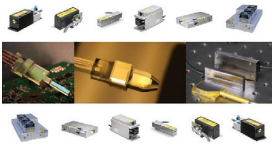
Teledyne e2v's CMOS, CCD and EM image sensors, line scan cameras, camera modules and subsystems deliver high performance across many applications. Teledyne e2v's unique approach involves listening to the market and application challenges of customers and partnering with them to provide innovative solutions.



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TEEM PHOTONICS

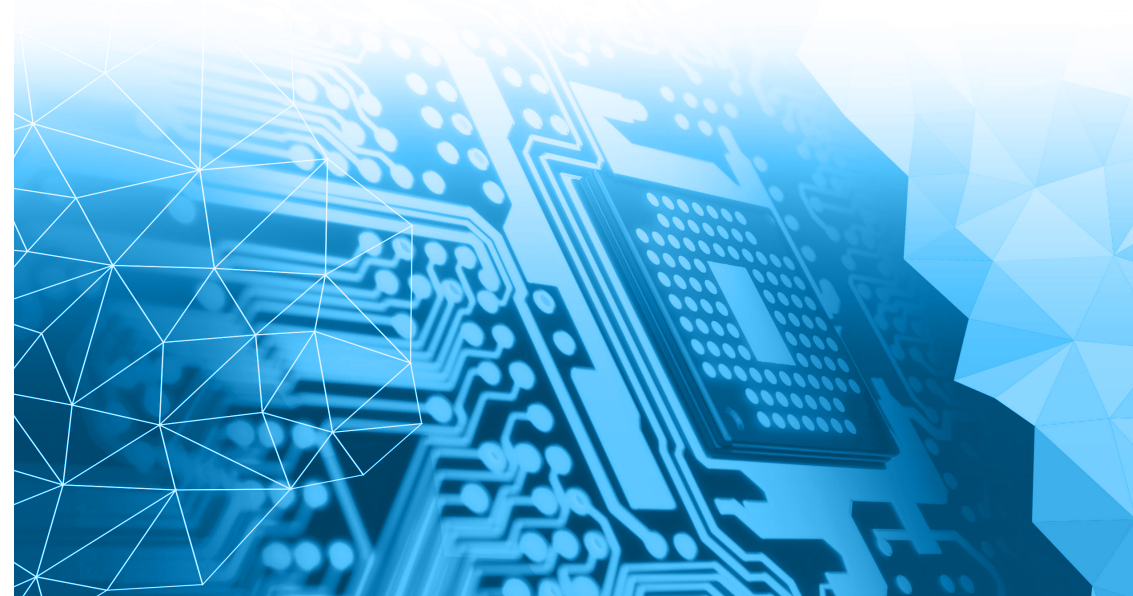


Teem Photonics offers high performance lasers and waveguide devices:

- 1) Advanced compact sub-ns lasers provide wavelengths ranging from 1938 nm to 213 nm. They uniquely combine performance, high reliability, long lifetime and cost effectiveness for OEM and Lab applications in the field of sensing, analytics, instrumentation and material processing.
- 2) The ioNext waveguide technology provides low loss optical interposers for Si Photonics and compact waveguide circuits for optical communication and sensing.



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MINALOGIC, THE PHOTONICS

First industrial region of France and second largest photonics region with 25% of the R & D activities, the Auvergne-Rhône-Alpes region aims to become the «European Silicon Valley». It relies on Minalogic, the global competitive cluster for digital technologies combining micro-nano electronics, photonics and software.

Minalogic has more than 400 Members covering the entire digital value chain:

- Suppliers of technological components and “building blocks”
- Suppliers of Products & digital Services
- Research laboratories
- Design house and platforms
- Facilitators
- Integrators and end-users.

To be noticed that 40% of them are affiliated to photonics!

The technologies, products and services developed by the players within the ecosystem address all the markets with a special attention to:

- ICT
- Transport & Mobility
- Advanced manufacturing
- Energy
- Construction
- Health & Well being
- Sport & Outdoor
- Defense & Security

AND OPTICS KEY ACTOR

The photonics innovation ecosystem summarized in a few figures:

- 25 certified subsidized projects in 2017
- an average of 7 startups created per year
- 49 research laboratories

The ecosystem is particularly illustrated in the following technological sectors:

- 59 companies in imaging
- 33 - in surface engineering
- 28 - in lighting
- 21 - in micro-nano-optic
- 12 - in displays
- 15 - in energy



THE NEXT EVENTS 2018 FOR YOU:

- Theme Day on Optical Micro-Sensors, March 06th, Grenoble, FRANCE
- SIdO International trade fair dedicated to Internet Of Things, April 04-05th, Lyon, FRANCE
- SPIE Photonics Europe, Avril 22-24th, Strasbourg, FRANCE
- Minalogic Business Meetings, June 06th, Lyon, FRANCE
- Theme Day on Digital Technologies for logistics flow management, June 21th, Lyon, FRANCE
- Theme Day on Artificial Intelligence in autonomous vehicles, October, near Lyon, FRANCE





MINALOGIC



Minalogic is a global innovation cluster for digital technologies serving France's Auvergne-Rhône-Alpes region.

Minalogic is a global innovation cluster for digital technologies serving France's Auvergne-Rhône-Alpes region. The cluster supports the region's leading innovators by facilitating networking, fostering collaborative R&D, and providing companies with personalized assistance throughout all phases of business growth. The products and services developed by our members address all industries, from ICT and healthcare to energy and advanced manufacturing.

Minalogic was founded in 2005 and today boasts more than 400 members, including 350 companies. The cluster has certified 575 projects that have secured total government funding of €850 million of the €2.1 billion in total R&D spending these projects represent. The 72 projects completed to date, contributed to the creation of 801 jobs and generated €1.6 billion in revenue. Overall, the projects have resulted in 86 products (either on the market or in the process of being prepared for market release).

Minalogic members benefit from three types of services:

- Networking: From events to targeted one-to-one introductions, Minalogic draws upon in-depth knowledge of the region's innovators to help its members grow their networks and generate business opportunities in France and internationally.
- Innovation: The cluster's personalized services are designed to help members find the resources they need to participate in collaborative R&D projects funded by French government and EU programs.
- Growth: We help our members identify and follow-up on qualified leads in France and internationally to turn business opportunities into true growth drivers.

Target markets:

- ICT
- Healthcare
- Energy
- Construction
- Advanced Manufacturing
- Transportation
- Sports & Outdoors



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