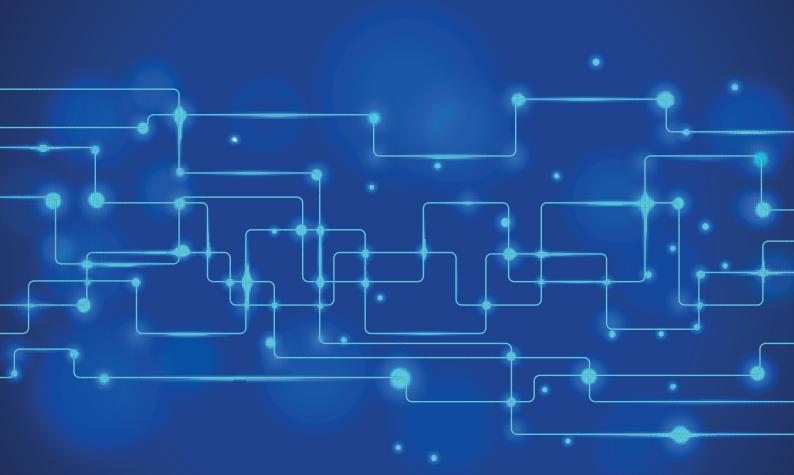


EPIC ACTIVITY REPORT 2019



EXPLORING MARKETS
EXPANDING APPLICATIONS
CONNECTING PEOPLE

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EPIC PRESIDENT



hat an amazing year it has been. We now have more than 500 members and are on track to become the largest photonics industry association in the world. For several years now, the association has been constantly growing. This year, another 105 additional companies decided to become member and engage in our active network.

Action and Engagement. The number of activities organized exceed a whopping 100. The members are truly highly engaged too: 1365 experts and leaders from 771 companies from 51 countries attended 18 technology meetings, 14 webinars and TechWatch events, and 70 networking events and group company visits. The

staff has been more active than ever, visiting 190 companies, exploring 45 exhibitions and conferences, and chairing, moderating and presenting at 40 events.

Leading Industry Association. Throughout the year, the association shared 10 additional market reports to assist members in market analysis and business expansion. To promote our members, 84 editorials, articles, interviews, webinars, and videos were published putting 117 EPIC members in the spotlight. We continue striving for global collaboration and MoUs were signed with the Virtual Reality & Augmented Reality Association, and with the Ethernet Alliance, bringing our members closer to the end-user community to understand and address their real challenges and pain points.

Recruitment and Investment. Addressing critical issues for the industry, we see a huge responsibility towards employment within the photonics sector. This is why we launched the largest photonics employment website with more than 1000 jobs only from our members. Another challenge is access to capital. Since 2015, when we supported the inaugural European Photonics Venture Forum, the association has maintained limited contact with the investment community. As we enter a new era of the association, we will be putting more effort in ensuring that in particular small and medium members of the association can leverage the incredible network made available through the association.

Serving more members requires additional resources, several new staff joined the association and I am proud of the high competence of each team member and the synergy they bring to each other and the association. It is a great honour for me to serve as president of this association, and I trust you too are proud of being EPIC!

Benno Oderkerk, CEO, Avantes

20der



EPIC - THE ASSOCIATION

EPIC – European Photonics Industry Consortium – is the industry association that promotes the sustainable development of organisations working in the field of photonics.

We foster a vibrant photonics ecosystem by maintaining a strong network and acting as a catalyst and facilitator for technological and commercial advancement.

"EPIC is an absolutely genius network. Especially for small members to get good contacts, which in my view is absolutely important for start-ups. EPIC is not comparable with other networks, where you must pay a lot and get nearly nothing. So, the idea and the realization is really good."



Oliver Prochnow, Managing Director, VALO Innovations

EPIC is owned by its members and managed by its Board of Directors

Benno Oderkerk, CEO, Avantes (The Netherlands)

Christian Bosshard, Vice President, CSEM (Switzerland)

Jan Meise, CEO, AMS Technologies (Germany)

Martin Schell, Director, Fraunhofer HHI (Germany)

Maurizio Gattiglio, Vice President, Prima Electro, and Chairman & CEO, Convergent Photonics (Italy)

Petteri Uusimaa, Vice President & CTO, Modulight (Finland)

Samuel Bucourt, CEO, Imagine Optic (France)



Board meeting hosted by Convergent Photonics in Torino, Italy



Board meeting hosted by CSEM in Zurich, Switzerland



EPIC publishes market and technology reports, organizes technology workshops and B2B roundtables, takes part in advocacy and lobbying, promotes education and training activities, sets standards and roadmaps, hosts pavilions at exhibitions, connects with investors, scouts companies, and helps recruit skilled talent.

EPIC is supported by a professional team of dedicated employees

Ana Gonzalez, PhD, R&D Manager
Anna Feis, MSc, CFO Investment Advisor
Auri Ripoll, MSc, Marketing Manager
Carlos Lee, MBA, Director General
Elena Beletkaia, PhD, Project Leader
Francesca Moglia, PhD, Project Leader
Helena Jelinkova, Events Manager
Jessica van Heck, BEng, Marketing Manager
Jose Pozo, PhD, Director of Technology
Neringa Noreikiené, MSc, Events Manager
Sana Amairi-Pyka, PhD, Project Leader
Susette Germer, PhD, Public Relations Manager

























"The relationships enabled by EPIC are real and meaningful, and the market knowledge shared within the group is continuous and relevant. Their smart and enthusiastic leadership team proved their stellar reputation by ensuring that our membership got a fast return on investment; our expectation is that there are many more returns to come. Palomar is proud to be part of their growing legion of inspired members."



Rich Hueners, VP of Global Sales, Palomar Technologies

Membership Fee

Company with annual revenue above EUR 250 million EUR 10200 Company with annual revenue between EUR 100-250 million EUR 8160 Company with annual revenue between EUR 50-100 million EUR 6120 Company with annual revenue between EUR 10-50 million EUR 4080 Company with annual revenue below EUR 10 million EUR 2040 Start-up (company less than 5 years) EUR 510-2040 Technology Research Organization, University **EUR 2040** Cluster, Association EUR 2040 Regional Development, Government Agency **EUR 2040**

EPIC MEETINGS & EVENTS

EPIC strengthens the connections among its members by creating for to meet, to discuss challenges and opportunities, and to explore collaboration possibilities. EPIC events are typically by-invitation-only to ensure a relevant audience and highly selective to ensure effective networking. EPIC members drive the agenda and have registration priority at all association events.

- 1. EPIC Meeting on Automation Tools for Packaging and Testing in Regensburg
- 2. EPIC Meeting on Distributed Sensing for Oil & Gas Industry in Abu Dhabi
- 3. EPIC Meeting on Freeform and Precision Optics in Balgach
- 4. EPIC Meeting on High Power Laser Systems in Almelo
- 5. EPIC Meeting on Industrial Lasers in Göttingen
- 6. EPIC Meeting on LIDAR Technologies for Automotive in Eindhoven
- 7. EPIC Meeting on New Space in Noordwijk
- 8. EPIC Meeting on OLED R2R in Bregenz
- 9. EPIC Meeting on Optical Communications in Mainz
- 10. EPIC Meeting on Photonics for Cancer Diagnostics and Treatment in Amsterdam
- 11. EPIC Meeting on Quantum Photonics Revolution in Coventry
- 12. EPIC Meeting on Specialty Optical Fibers in Limoges
- 13. EPIC Meeting on Structural Health Monitoring in Barcelona
- 14. EPIC Meeting on VCSELs Technology and Applications in Stuttgart



Automation Tools for Packaging & Testing Hosted by ASM AMICRA



Distributed Sensing for Oil & Gas Industry
In conjunction with ADIPEC



Freeform and Precision Optics Hosted by WZW Optic



High Power Laser Systems Hosted by PBF



Industrial Lasers Hosted by Coherent



LIDAR Technologies for Automotive Hosted by Anteryon



New Space Hosted by European Space Agency



OLED R2R In conjunction with LpS



Optical Communications
Hosted by HUBER+SUHNER Cube Optics

- 15. EPIC Meeting on Wafer Level Optics in Neuchatel
- 16. EPIC Meeting on Laser Beamin Material Processing Applications in Munich
- 17. EPIC Meeting on Surface Structuring at Laser World of Photonics in Munich
- 18. EPIC Delegation to India
- 19. EPIC Delegation to Israel
- 20. EPIC Delegation to Singapore
- 21. EPIC Members TechWatch in Shenzhen
- 22. EPIC Members TechWatch in Dusseldorf
- 23. EPIC Members TechWatch in Dornbirn
- 24. EPIC Members TechWatch in Wetzlar
- 25. EPIC Members TechWatch with Swissphotonics in San Francisco
- 26. EPIC Session on How to do business in China in Shenzhen
- 27. EPIC Webinar on Hyperspectral Imaging
- 28. EPIC Webinar on Next generation HMDs and the killer app for VR
- 29. EPIC Webinar on Quantum Technologies
- 30. EPIC Photonics Quantum Technology Summit in Barcelona
- 31. EPIC World Photonics Technology Summit in Berlin
- 32. EPIC 16th Annual General Meeting in Glasgow



Photonics for Cancer Diagnostics & Treatment Hosted by NKI



Quantum Technology Revolution In conjunction with Photonex



Specialty Optical Fiber Hosted by GLOphotonics



Structural Health Monitoring In conjunction with Smart City Expo



VCSELs Technology and Applications Hosted by Sony



Wafer Level Optics Hosted by SUSS MicroOptics



Photonics Quantum Technology Summit Hosted by ICFO



World Photonics Technology Summit



16th AGM Annual General Meeting

EPIC NETWORKING EVENTS

EPIC builds a trusted photonics community by creating many networking opportunities among its members, customers and VIPs from the photonics industry. In this way, companies get to know each other better and people build a long-lasting trustful relationship.



Networking Breakfast Munich, Germany



Networking Dinner Aachen, Germany



Networking Dinner Almelo, The Netherlands



Networking Dinner Balgach, Switzerland



Networking Dinner Berlin, Germany



Networking Dinner Glasgow, United Kingdom



Networking Dinner Göttingen, Sweden



Networking Dinner Jena, Germany



Networking Dinner Limoges, France



Networking Dinner Singapore



Networking Dinner Stuttgart, Germany



Networking Dinner Tel Aviv, Israel



Networking Dinner Vilnius, Lithuania



Networking Dinner Warsaw, Poland



Networking Dinner Wetzlar, Germany



Networking Event Shenzhen, China



Networking Event Singapore



Networking Golf San Francisco, USA



Networking Lunch Mumbai, India



Networking Reception Dublin, Ireland



Networking Reception Eindhoven, The Netherlands



Networking Reception Glasgow, United Kingdom



Networking Reception Mainz, Germany



Networking Reception San Diego, USA



Networking Reception San Francisco, USA



Networking Reception Shanghai, China



Networking Run Berlin, Germany



Networking Run Glasgow, United Kingdom



Networking Run Munich, Germany



Networking Run San Francisco, USA

"The EPIC Photonics Run in Munich was a great experience. The networking was very good, the EPIC team did an excellent job. I recommend EPIC membership to other players in optics."

Ralf Leutz, General Manager, Leopil





Company Visit to Anteryon



Company Visit to ASM AMICRA



Company Visit to Broadcom



Company Visit to CAPTECH



Company Visit to Coherent



Company Visit to CST



Company Visit to Denselight Semiconductors



Company Visit to Fraunhofer HHI



Company Visit to Fraunhofer IZM



Company Visit to GLOphotonics



Company Visit to Helia Photonics



Company Visit to HiSense



Company Visit to Holo/Or



Company Visit to Hour One



Company Visit to HUBER+SUHNER



Company Visit to Kelvin Nanotechnology



Company Visit to LUX Photonics Consortium



Company Visit to Meridian Innovation



Company Visit to Moveon



Company Visit to National Research Foundation



Company Visit to
Optocap



Company Visit to Optronics Engineering



Company Visit to Palomar Technologies



Company Visit to PBF



Company Visit to PowerPhotonic



Company Visit to Sony



Company Visit to Spectra-Physics



Company Visit to The Photonics Institute



Company Visit to UniKLasers



Company Visit to WZW-OPTIC

EPIC ON STAGE

EPIC was invited to moderate panel discussions, chair conferences, open exhibitions, present awards, and speak at 40 events. It was our pleasure to be welcomed on stage at the following events:



3D & Systems Summit Dresden, Germany



21st International Optoelectronic Exposition Shenzhen, China



ADIPEC Abu Dhabi, UAE



Autonomous Machines World Conference Berlin, Germany



VRARA Networking Dinner Barcelona, Spain



BICOP London, United Kingdom



ECOC Dublin, Ireland



ISA General Assembly Shenzhen, China



European Photonics Venture Forum Munich, Germany



Opening Presentation at Hitachi Directors Meeting in Atami, Japan



The Quantum Industrial Revolution Auckland, New Zealand



The Quantum Industrial Revolution Christchurch, New Zealand



Clusterkonferenz Optik & Photonik Berlin, Germany



ISUPT Conference Napa, USA



ePIXfab Summer School Pisa, Italy



FOAN Sarajevo, Bosnia and Herzegovina



Ghent University Ghent, Belgium



Global VR/AR Summit Vancouver, Canada



Inside Quantum Technology event The Hague, The Netherlands



K4l Brussels, Belgium



LED professional Symposium + Expo (LpS) Bregenz, Austria



Laser Manufacture News CEO Night Shanghai, China



Medica Dusseldorf, Germany



NIL Industrial Day Aachen, Germany



OptoSigma Paris, France



NGON DCI Nice, France



Photonex Coventry, United Kingdom



Photonics Exhibition Moscow, Russia



PIC International Brussels, Belgium



CREOL University Central Florida Orlando, USA



Herbsttagung Wetzlar, Germany



Summer School Tampere, Finland



WTMF standards and Roadmap Annual Meeting in Berlin, Germany

EPIC AT INDUSTRY EVENTS

EPIC attends and exhibits at a large number of industry events as we consider these valuable ways to stay connected with the photonics community and learn about the latest industry developments.

- 1. 15th National Conference on Laser Science and Technology in Paris
- 2. 24th IOA International Optoelectronics Association meeting in Glasgow
- 3. 25th SOA Scottish Optoelectronics Association Anniversary Reception in Glasgow
- 4. ADIPEC in Abu Dhabi
- 5. Al & Big Data Innovation Summit in Brussels
- 6. ALAT Laser Industry Golf Laser Cup Competition in Shenzhen
- 7. Baltic Photonics B2B event in Vilnius
- 8. Captech Meeting at ONERA in Toulouse
- 9. China International Optoelectronic Exposition in Shenzhen
- 10. Chinese Laser Market Seminar in Shanghai
- 11. Dutch Photonics Event in Delft
- 12. ECIO Conference in Ghent
- 13. ECOC in Dublin
- 14. Freeform Optics Dinner in Neuchatel
- 15. ILAS in Crewe
- 16. International Day of Light
- 17. ISA Executive Members meeting in Shenzhen
- 18. Laser Market Seminar in San Francisco
- 19. LASER World Of PHOTONICS in Munich
- 20. LASER World of PHOTONICS in Shanghai
- 21. LASER World of PHOTONICS in Mumbai
- 22. LASERFAIR Exhibition and Global Laser Manufacturing Conference in Shenzhen



CIOE - International Optoelectronic Exhibition, Shenzhen, China



ECIO Conference Ghent, Belgium



ECOC Dublin, Ireland



MEDICA Dusseldorf, Germany



MicroNanoConference Amsterdam, The Netherlands



ADIPEC Abu Dhabi, UAE



ILAS - Industrial Laser Symposium Crewe, United Kingdom



Laser World of Photonics Munich, Germany



- 23. 13th National Conference Lasers: Science and Technology in Vilnius
- 24. MEDICA in Dusseldorf
- 25. Medtec in Nuremberg
- 26. MicroNanoConference in Amsterdam
- 27. MWC in Barcelona
- 28. NIL Industrial Day in Aachen
- 29. OASIS7 exhibition in Tel-Aviv
- 30. OFC in San Diego
- 31. OIDA Workshop on Manufacturing and Building the Supply Chain for Integrated Photonics in San Diego
- 32. OptecNet Jahrestagung in Jena
- 33. Optifab in Rochester
- 34. OSA/OIDA Executive Meeting at OFC in San Diego
- 35. Photonex in Coventry
- 36. Photonics West in San Francisco
- 37. Photonics21 Annual Meeting in Brussels
- 38. Photonics21 Board of Stakeholders Meeting in Brussels
- 39. PIC International in Brussels
- 40. Quantum Optronics Workshop in Toulouse
- 41. Smart City in Barcelona
- 42. SMTConnect in Nuremberg
- 43. Optics + Optoelectronics in Prague
- 44. W3+ Fair in Dornbirn
- 45. W3+ Fair in Wetzlar



Medtec Nuremberg, Germany



NIL Industrial Day Aachen, Germany



OFC San Diego, USA



OptecNet Jahrestagung Jena, Germany



Photonex Coventry, United Kingdom



Photonics West San Francisco, USA



PIC International Brussels, Belgium



W3+ Fair Wetzlar, Germany

EPIC ADVOCACY

EPIC believes in photonics and advocates this technology in many ways to support the industry, access information and services and promote the benefits of photonics as an enabling technology.

Finance and investment

The EPIC Venture and Finance Workgroup is dedicated to the promotion of venture and finance activities among the association's members. EPIC's mission has always been to maximise the business development opportunities of its members through networking, information and partnering. The Venture and Finance Workgroup takes this a step further through a series of focused activities aimed at attracting investors to photonics, promoting trade investment among members, fostering SME development and cooperating with the public funding sector on the continuous improvement of financing conditions for photonics entrepreneurs. In 2019 we participated at the 5th European Photonics Venture Forum in Munich. EPIC also maintains a list of investments and M&A.

www.epic-assoc.com/funding/venture-finance www.epic-assoc.com/message-to-investors





EPIC hosts meeting with representatives of the European Investment Bank, European Parliament, European Commission, and the European Commission in-house think tank European Political Strategy Centre.



EPIC chairs session at European Photonics Venture Forum



This year EPIC joined the board of Innorate



Investor videos

This year EPIC continued its range of investor videos.

Visit our YouTube channel to learn more from the brilliant minds in our industry:

- Michael Lebby, CEO, Lightwave Logic
- Andreas Umbach, CEO, AUCCEPT
- Steve Frisken, CEO, Cylite

www.youtube.com/EPICPhotonics

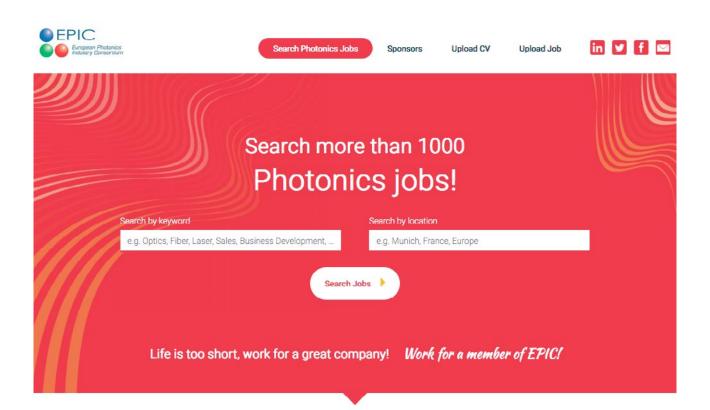


EPIC knows the photonics market is still booming as we see a growing rate in job opportunities. To support our members in finding qualified talent, EPIC launched a completely new jobs in photonics website.

The biggest jobs in photonics website

EPIC has 525 members across 33 countries, collectively they have more than 1150 open positions. But the positions do not only need to be filled individually, at industry level we need to ensure there is sufficient qualified talent, otherwise candidates will be jumping from company to company, salaries will increase, and the overall problem is not being solved. EPIC members EO, Profound Resources, Insight Technology Search, TMC, and Orion Engineering are partners committed to attract talent from other fields, retain talent in the photonics industry, and motivate potential candidates to join our exciting community. If you are hiring, contact an EPIC partner. www.epic-assoc.com/jobs

www.jobs-in-photonics.com





"As a member of EPIC, it's been very useful for us to be able to tap into EPIC's network. Most recently, thanks to EPIC's extensive network of photonics contacts across Europe, we've been able to hire a key person for our organization."

Armin Luft, Founder, Laser2000

EPIC IN THE MEDIA

EPIC has appeared more than 60 times in editorials, articles, interviews, webinars, podcasts, published in partnership with leading media partners including Electro Optics, EuroPhotonics, Novuslight, Photonics Views and Photoniques. 93 EPIC members were put in the spotlight, putting forward their products and companies.

1. A light touch

Published in Medical Device Developments Magazine. Mentioned members: RiverD International, art photonics, Fraunhofer IOF, and Delta Optical Thin Film

2. Automation Tools for Packaging and Testing: Guidelines for the manufacturing of the next generation of photonic-based products

Published in Photonics Views. Mentioned members: SMART Photonics, Ligentec, Fraunhofer HHI, imec, Nanoscribe, SUSS MicroOptics, Cordon Electronics, AEMtec, Aerotech, Aifotec, Aixemtec, ASM AMICRA, Bay Photonics, Brolis Semiconductors, Zeiss, Corning, CSEM, DELO, Effect Photonics, EVG, Exalos, ficonTEC, Finetech, Horiba, ICON Photonics, IHB Consulting & Trading, Jenoptik, LioniX International, Luna, Luz Wavelabs, Optoscribe, Palomar Technologies, Philips Innovation Services, Phix, PI, Sabic, Tampere University, Technobis, Teem Photonics, TU Eindhoven, Tyndall National Institute, University of Southampton, Vanguard Automation, VTT and Yelo

3. Building blocks for customized biosensors for point of care diagnosis

Published in PIC Magazine. Mentioned members: imec, Zemax, Fraunhofer HHI, SMART Photonics, CEA-Leti and LioniX International, Synopsys, Photon Design, VPI Photonics, Luceda, Bright Photonics, Eblana Photonics, KIT, Tyndall National Institute, ficonTEC, CSEM and Cordon Electronics

4. European Photonics Industry: State of the market

Published in Novus Light. Mentioned members: SUSS MicroOptics, NIL Technology, Vanguard Photonics, Fluence, Nyfors, GLOphotonics, Delta Optical Thin Film, Palomar Technologies, Aixemtec, Touchless Automation, ficonTEC, Tyndall National Institute

5. Low-Light Cameras, Gas Detectors Boost Space Applications

Published in EuroPhotonics. Mentioned members: European Space Agency, IRnova, VIGO System, Fraunhofer IAF, Fraunhofer IPMS, Sofradir, Beamagine and NKI (Netherlands Cancer Institute)

6. Quantum Photonics - Steps Towards new Technologies Commercialization

Published in Photonics Views. Mentioned members: Kelvin Nanotechnology, Quantic, VLC Photonics, Ligentec, Quandela, UniKLasers, Fraunhofer UK Research Institute and Birmingham University

7. The Industrial Camera Modules Market: Market review and forecast

Published in Photonics Views. Mentioned members: Yole Développement, LG, Fastree 3D, Bosch, EVG, Schott, ASE Group, Mentor and Huawei

8. VCSEL Technology in the Data Communication Industry

Published in Photonics Views. Mentioned members: Finisar, Osram Opto Semiconductors, TRUMPF, Vertilas, Politecnico di Milano, CTTC, TU Eindhoven, ETRI, VTT, VLC Photonics and Effect Photonics

9. Beyond 400 Gigabit Ethernet

Published in Novus Light

10. Brillouin to Revolutionize the Distributed Sensing Market

Published in Photonics Views

CEO Video Interviews

Michael Lebby, CEO, Lightwave Logic Andreas Umbach, CEO, AUCCEPT Steve Frisken, CEO, Cylite

C-Level Media Interviews

Andre Richter, CEO, VPIphotonics Christian Neumeyr, CEO, Vertilas Damian Gardiner, CEO, Optomel David Robinson, CEO, Arden Photonics Dirk Schumann, CTO, Eagleyard Photonics Fetah Benabid, CTO, GLOphotonics Ibrahim Abdulhalim, CEO, PhotonicSys Jean François Vinchant, CEO, SED-ATI Fibres Optiques Johan Feenstra, CEO, SMART Photonics Markus Nicht, CEO, Innolas Solutions Max Lemme, CEO, AMO Michael Lebby, CEO, Lightwave Logic Pascual Muñoz, Founder CEO, VLC Photonics Paul Ryckaert, CEO, Xenics Remco Nieuwland, CTO, Somni Solutions Remigijus Šliupas, CEO, OPTOMAN Roy McBride, CEO, Power Photonic Ruth Houbertz, CEO, Multiphoton Optics Sven Kiontke, CEO, asphericon Tapio Kallonen, CEO, SPECIM Thomas Zettler, CEO, LayTec Torsten Vahrenkamp, CEO, ficonTEC Vicente Calvo, CEO, Comptek Solutions Xiaojun Li, CEO, Shanghai Feibo Laser Technologies

Media Partners

Electro Optics















EUROPEAN PROJECTS

EPIC is member of the Photonics21 Board of Stakeholder, regularly attends the meetings, and is involved in key projects as dissemination and exploitation partner.

- 1. EPIC is part of JePPIX Pilot Line
- 2. EPIC is part of LAMpAS
- 3. EPIC is part of MIRPHAB
- 4. EPIC is part of MedPhab
- 5. EPIC is part of MULTIPLE
- 6. EPIC is part of PASSION
- 7. EPIC is part of PHABULOuS
- 8. EPIC is part of PICS4ALL
- 9. EPIC is part of PIXAPP
- 10. EPIC is part of PULSe
- **11.** EPIC is part of **TERABOARD**

www.jeppix.eu

www.lampas.eu

www.mirphab.eu

www.medphab.eu

www.multipleproject.eu

www.passion.eu

www.phabulous.eu

www.pics4all.jeppix.eu

www.pixapp.eu

www.pulse-h2020.eu

www.teraboard.eu

Funded by:





JePPIX sponsor of the EPIC Meeting on New Space in Noordwijk



LAMpAS progress meeting in Zaragoza



MIRPHAB review meeting in Brussels



MedPhab kick-off Meeting in Brussels



MULTIPLE kick-off Meeting in Vigo



PHABULOuS kick-off Meeting



PIXAPP progress meeting in Cork



PASSION sponsor of the EPC Meeting on Wafer Level Optics in Neuchâtel



PULSe exhibiting at Smart City in Barcelona



PICS4all exhibiting at PIC International in Brussels

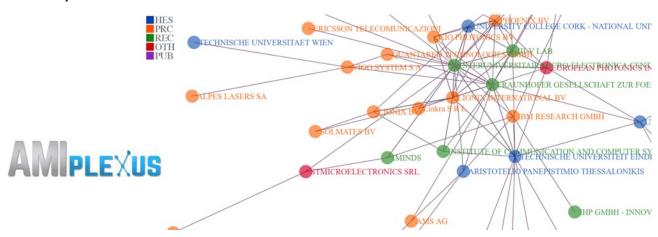


TERABOARD presentation at PIC International in Brussels

EPIC helps you to identify partners in EU funded projects. As an EPIC member, you will get full access to AMIPLEXUS.

Search for new technologies and observe your competitors! AMIPLEXUS is a useful practical on-line search tool for helping you identify partners in EU funded projects. See what projects your suppliers, customers and competitors are involved in and who are their other partners. See which technologies are in the companies pipelines. You can search by keywords, and refine search results to specific countries, companies, etc... EPIC has acquired a license that allows all employees of all EPIC member companies to freely access.

www.amiplexus.eu



EPIC is active in several committees

- 1. CESA Committee member of Conference on Automotive Electronics
- 2. ECIO Committee member of European Conference on Integrated Optics
- 3. EDA European Defence Agency CapTech Member of EOST Electro-Optical Sensors Technologies
- **4. EPVF** Jury member of the European Photonics Venture Forum
- **5. ESTC** Committee member of European System Integration Technology Conference
- **6. FOAN** Committee member of Fiber Optics in Access Networks
- 7. OPTRO Committee member of International Symposium on Optronics in Defence and Security
- 8. SCREEN Supporter of Solutions for Critical Raw Materials a European Expert Network

"The EPIC Meeting on VCSELs Technology and Applications was my first EPIC event and it was a stunning experience! I have never witnessed such a motivating and inspiring networking event before. I have made many promising new contacts about VCSEL technology to boost our optoelectronics business! Especially our expertise in reliability testing and eye safety measurements will be useful for the VCSEL community."



Björn Hoffmann, Manager Optoelectronics & Innovation, RoodMicrotec

MARKET REPORTS

Every employee of a company member of EPIC has free access to the EPIC library on the extranet. The extranet is simple to use and you can conveniently download hundreds of technology presentations and numerous market reports.

- 2019 Blue Laser Diode Market Report
- 2019 Fiber Optics Market Report
- 2019 Infrared Sensors Market Report
- 2019 Medical Sensors Market Report
- 2019 Two Photon Laser Scanning Confocal Microscope Market Report
- 2019 InP Wafer and Epiwafer Market Photonics and RF Market Report
- 2019 Silicon Photonics and Photonic Integrated Circuits Market Report
- 2019 Status of Camera Module Industry Focus on Wafer Level Optics Market Report
- 2019 Smart Glass Market Report
- 2019 Semiconductor Process Control Equipment Market Report

"The market reports provided by EPIC are a great resource to me and my colleagues. It provides us with valuable information on technology trends and market forecasts."

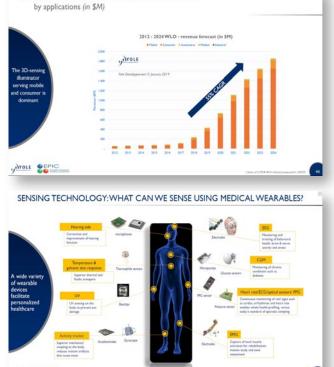


John O'Carroll, Director of Technical Development, Optical Communications, Eblana Photonics



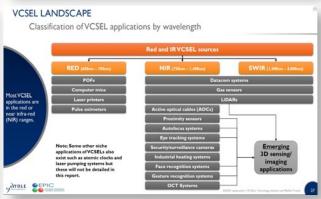


- 2018 3D Imaging and Sensing Market Report
- 2018 Fiber Laser Market Report
- 2018 Photonic Integrated Circuit Market Report
- 2018 High Speed Ethernet Optics Market Report
- 2018 Laser Technology Market Report Global Forecast to 2024
- 2018 Silicon Photonics Market Report Global Forecast to 2023
- 2018 Ultrafast Lasers Technologies and Global Market Report
- 2018 VCSEL Technology Industry and Market Trends and Report
- 2018 Worldwide Laser Market Review and Forecast
- 2017 Integrated Optical Devices Market Report
- 2017 Mega Datacenter Optics Market Report
- 2017 IR LEDS and VCSELs Technology, Applications and Industry Trends Report
- 2017 3D Imaging and Sensing Market Report
- 2017 Glass Substrate in the Semiconductor Field Market Report
- 2017 Embedded Image and Vision Processing Market Report
- 2017 Camera Module Industry Market and Technology Trends Report
- 2017 LIDAR Applications and Markets Report
- 2017 Laser Technologies in the Semiconductor Field Market Report



WAFER-LEVEL OPTICS - REVENUE FORECAST





PARTNERSHIPS

- 1. 3rd Int. Trends in Lighting Forum &Show | TiL
- 2. 8th International Work Shop on Fiber Optics in Access Networks
- 3. AIMEN Laser XV Workshop on Materials Processing with Laser Technology
- 4. Autonomous Machines World
- **5. Baltic Photonics** | B2B Event
- 6. Diagnostics-4-Future CONFERENCE
- 7. European Conference on Interventional Oncology | ECIO
- 8. European Conference on Optical Communication | ECOC
- 9. Embedded VISION Europe
- 10. European Symposium on Ultrafast Laser driven Biophotonics | ESULaB
- 11. IEEE British and Irish Conference on Optics and Photonics | BICOP
- 12. Image Sensors Europe
- 13. Inside Quantum Technology EUROPE
- 14. International Conference on Nanoimprint and Nanoprint Technologies | NNT
- 15. International MicroNanoConference
- 16. International Symposium on Ultrafast Photonic Technologies | ISUPT
- 17. LASER World of PHOTONICS
- 18. Next Generation Optical Networking | NGON & DCI World
- 19. NanoImprint Lithography Industrial Day | NIL Industrial Day
- 20. Paris Space Week
- 21. Photonex
- 22. Photonics World of Lasers And Optics
- 23. PIC International Conference
- 24. SEMI 3D & Systems Summit
- 25. Special Symposium on Silicon Photonics of the Future | SSPhF
- 26. Tech Tour 2019 European Photonics Venture Forum
- 27. The 6th Industrial Laser Application Symposium
- 28. Topical Meeting on Diffractive Optics
- 29. VR/AR GLOBAL SUMMIT
- 30. W3+ Fair/Convention
- 31. Wetzlar Network Event Computational Imaging

"I made so many exiting contacts that my company realized about the value of becoming a member of the association. I would like to thank the EPIC team for their support and looking forward to becoming a new EPIC member in 2020."



Johannes Wolf, Segment Manager Laser, Schulz-Electronic

PARTNERSHIPS & MEMORANDUM OF UNDERSTANDING

- 1. AILU Association of Laser Industrial Users
- 2. AIM Photonics American Institute for Manufacturing Integrated Photonics
- 3. CECIMO European Association of the Machine Tool Industries
- 4. COBO Consortium for On-Board Optics
- 5. Commonwealth of Independent States Laser Association
- 6. CSA China SSL Association
- 7. DIGITALEUROPE
- 8. Ethernet Alliance
- 9. FTTH Council Europe Fiber To The Home
- **10. GDLIA** Guangdong Laser Industry Association
- 11. Greenlight for Girls
- **12. IAESI** Israel Association of Electronics & Software Industries
- **13. IOA** International Optoelectronics Association
- 14. Joint Forces for Solar
- 15. LightingEurope
- 16. LUX Consortium in Singapore
- 17. Nanophotonics Europe Association
- **18. OES** Organic Electronics Saxony
- 19. PETRA Photonics Electronics Technology Research Association
- 20. SEAFOM Fiber Optic Monitoring Group
- 21. SEMI Semiconductor Equipment and Materials International
- 22. The Association for Vertical Farming
- 23. VR/AR in Berlin
- 24. VR/AR Summit in Vancouver
- 25. Wuhan Laser Industry Association

EPIC signed three more partnerships







Ethernet Alliance



VR/AR Summit in Vancouver

OUTREACH

EPIC actively builds a global network of decision-makers and experts. By interacting with the industry, we learn about the latest technology developments, understand manufacturing challenges and explore business and collaboration opportunities for our members.

In 2019 we were welcomed by 190 companies around the world:



EPIC Activity Report 2019

Fraunhofer HHI

Gasera

Helia Photonics

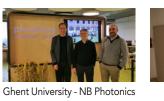
Hitachi

Huawei Zurich

Imasenic





















































































Juniper









































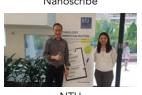
















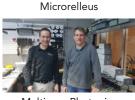










































































EPIC Activity Report 2019



Polarus







SCHOTT Primoceler



Solid Laser



SUSS MicroOptics



Technospark



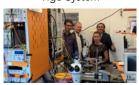
Tyndall



Vanguard Photonics



Vigo System



Warsaw University of Technology



Politecnico di Torino



Pulsar Photonics



SCIL Nanoimprint Solutions



son-x



SUSS MicroTec



TEGEMA



UniKLasers



Vertilas



Vigo Ventures



Wielandts UPMT



PowerPhotonic



QPO



Sensofar



Southern Photonics



Synopsys



TeraXion



Universitat de Barcelona



Vexlum



Visionix



Workshop of Photonics



PRC Laser



Quantum Light Instruments



Snelloptics



SPECIM



Systematic Paris-Region



TopGaN



University of Glasgow



VI Systems



VTT Espoo



WZW Optics



Prima Electro



Quside



Solaris Optics



Spectra Physics



Tampere University



TU Dresden



UPC



via optic



VTT Oulu



Xenics

EPIC MEMBERS

This year we welcomed our 500th member which was celebrated with a special award. Welcome Dispelix to the most exciting photonics industry association in the world! EPIC now represents over 500 companies across 33 countries.







































































































































































































































EPIC Activity Report 2019



EPIC MEMBERS





























































C'lumerical





Lumics







































































































































































PHILIPS



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VPIphotonics













Wielandts upmt









VTEC VTEC



Celeprint



W3@FAIR



WAVELENGTH OPTO-ELECTRONIC





WISTA













EPIC MEMBERS DRIVE THE PHOTONICS REVOLUTION ...

Be part of it!





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