

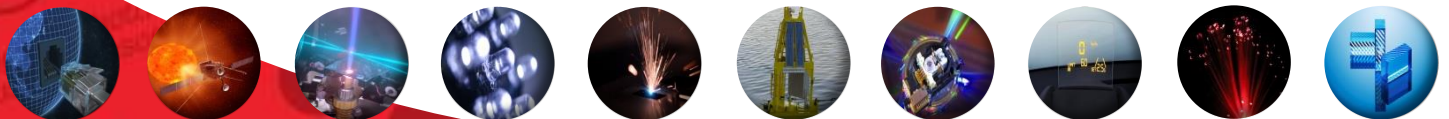
EPIC – European Photonics Industry Consortium

- An Industry driven organisation where companies are the priority
- Focused on Technology and Business
- Fostering a Competitive photonics ecosystem in Europe

Carlos Lee
Director General
EPIC

carlos.lee@epic-assoc.com

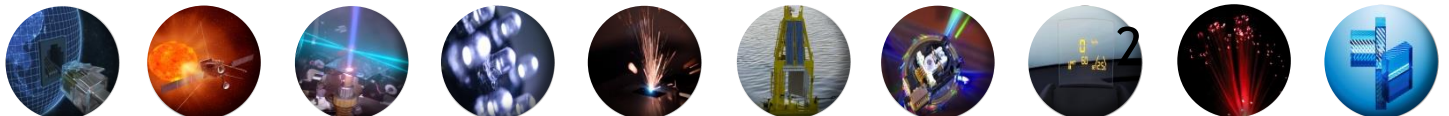
Mobile: +32 473300433



EPIC Scope

Our members and activities encompass the entire value chain from:

- Biophotonics
- Displays
- Imaging
- Lasers (for industrial, military, medical applications)
- LED, OLED, and Smart Lighting
- Optic fiber
- Optical components
- Photonic Integrated Circuits
- PV solar energy including
- Sensors (for automotive, defense, medical, ... applications)
- and all other photonic related technologies



ports

ont LED

ufacturing



EPIC members have preferential access to EPIC pavilions (limited to 6 co-exhibitors)



EU PVSEC – European Photovoltaic Solar Energy Conference and Exhibition

1-3 October 2013

Parc des Expositions, Paris, France

Price: € 1200 + VAT. Exhibition: 656 exhibitors / 31.500 visitors. Conference: 1.600 speakers / 4.000 conference delegates / 100 countries



PHOTONEX – UK's showcase event dedicated to photonics, applied photonics, fibre optics, lasers, sensing, vision & light

16-17 October 2013

Ricoh Arena, Coventry, United Kingdom

Price: £ 945 + VAT / 95 exhibitors / 1.000 visitors



Laser World of Photonics India

12-14 November 2013

Bombay Exhibition Centre (BEC), Mumbai, India

Price: € 1500 + VAT / 128 exhibitors / 2.688 visitors



Strategies in Light Europe – Developing the New Ecosystem

19-21 November 2013

M.O.C. Event Centre, Munich, Germany

Price: € 2000 + VAT / 72 Exhibitors / 895 attendees



OFC – Optical Solutions in Telecom, Datacom

11-13 March 2014

Moscone Convention Center, San Francisco, CA

Price: \$ to be announced / 550 exhibitors / 12.000 visitors



Laser World of Photonics China

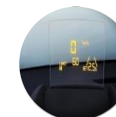
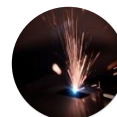
18-20 March 2014

SNIEC – Shanghai New International Expo Centre, China

Price: € 1500 + VAT / 539 exhibitors / 36.042 visitors. Collocated with Electronica & Productronica China



Helping EPIC members explore new markets!



EPIC members get support to publish technical articles in leading media around the world!

EPIC members in the News

Yenista Optics opens Asia Pacific Support Center [04/04/2013]

Yenista Optics, a leading manufacturer of fiber optic measurement equipment, has opened a new support center in Asia Pacific. The center is located in the heart of the region, providing easy access to customers and partners. The center will focus on providing technical support and training to customers in the region. The center is a testament to Yenista Optics' commitment to customer service and its commitment to the growth of the fiber optic industry in Asia Pacific.

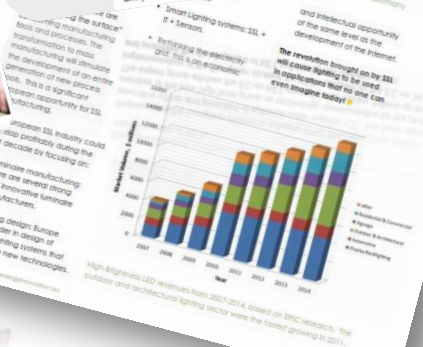
Aledia makes its first 8-inch silicon wafer, disruptive microwave [29/03/2013]

Aledia, a developer of LED on disruptive microwave Silicon technology, anno has made its first LEDs on (200mm) silicon wafers.



The European Photonic Industry Consortium (EPIC) represents the photonics industry at the inaugural meeting of the European Commission (EC) Key Enabling Technology (KET) High Level expert group. The group was launched to assist the EC in the implementation of the strategy to boost the industrial production of KET-based products in Europe. The global market in KETs is forecast to grow from about €650 billion (EUR) to €655 billion (USD) in 2020 to more than €1 trillion (\$1.3 trillion) in 2025. Leading industries in the fields of automotive, communications, aeronautics, defence, health and energy are all intensive users of KETs.

Representing the European photonics industry, EPIC President Drew Nelson, chief executive officer and president of epitaxial wafer supplier IQE, has been appointed as a member of the new high level group as technology representative for the photonics KET. The expert group advises the EC on KET-related policy issues, follows up the implementation of the European strategy for KETs adopted by the EC on 26 June 2012 and promotes the development of KET policies by the member states.



EPIC打造独立展馆为中小企

EPIC (欧洲光电产业协会) 一直致力于帮助欧洲公司开拓新市场及领地, 为此EPIC在世界各地的光电相关的展览盛事设立了EPIC展馆, 并有效便捷地为一些企业提供展位。

EPIC与世界多个领先的展览活动进行合作, 专门开辟了“EPIC馆”, 以便为您开拓新市场, 结识新客户。如要参加EPIC馆, 您只需完成一份申请表, 无需额外订购展位装修和其他服务, 只要把您的

海报、样品和助, 您公司将有机会, 参加学术它仅限于提供! 的公司, EPIC/子领域开拓新?

展览会	时间	地点	备注
EU PVSEC-欧洲光伏展览会	2013年 10月 1-3日	法国巴黎 Parc des Expositions	《展馆采取大面积开幕式布置, 可容纳6家企业, 如图所示》
美国 PHOTONEX 展览	2013年 10月 16-17日	英国考文垂 Ricoh Arena	通过 EPIC 报名参加展会, 您将获得非常优惠的参展价格, 欢迎中国公司参加, 详情请联系:
泰国印度光电博览会	2013年 11月 12-14日	印度孟买 Bombay Exhibition Centre (BEC)	Carlos Lee:
欧洲照明技术策略展览 - 发展新型光源	2013年 11月 19-21日	德国慕尼黑 M.O.C. Centre	美国加州
OFEC-美国光纤通信	2014年 3月	美国加州	

Visible Light Communication

Visible Light Communication from the LED Lighting Light



where LED technology is used for illumination or signaling purposes - such as in hospitals, at home and in manufacturing environments.

The use of visible light brings an additional advantage: light comes from the lamp directly into the eyes of the observer, making the signal of data distribution and accessibility.

Visible Light Communication can be used as a complement for radio communication, and is effective for short-range high-speed links in areas where radio is not desired or feasible. Possible uses include optical WLANs in point-to-point links in various environments.

VLC benefits from diverse favorable factors, including:

- Simplicity: by exploiting existing infrastructure, VLC is a highly suited to retrofit where light is already present, such as in large offices, production facilities, medical clinics or public transport systems, including optical networks.
- Security: VLC is a highly secure communication, as light does not penetrate walls and is not susceptible to interception.
- High speed: VLC is a high-speed communication, as light travels at the speed of light.
- Low cost: VLC is a low-cost communication, as it does not require expensive infrastructure.
- Energy efficiency: VLC is an energy-efficient communication, as it does not require expensive infrastructure.
- High bandwidth: VLC is a high-bandwidth communication, as it does not require expensive infrastructure.
- Low latency: VLC is a low-latency communication, as it does not require expensive infrastructure.
- High reliability: VLC is a highly reliable communication, as it does not require expensive infrastructure.
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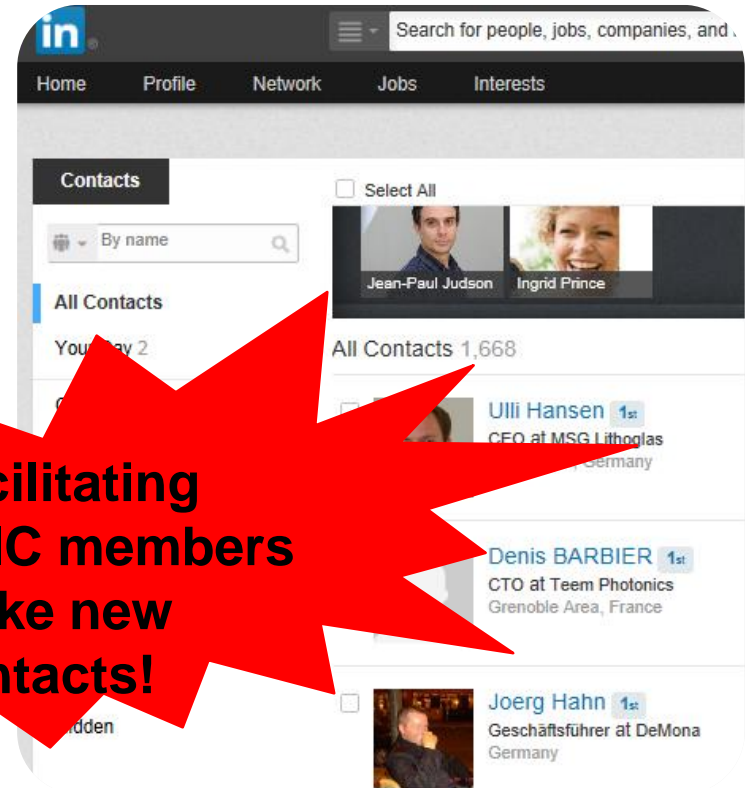
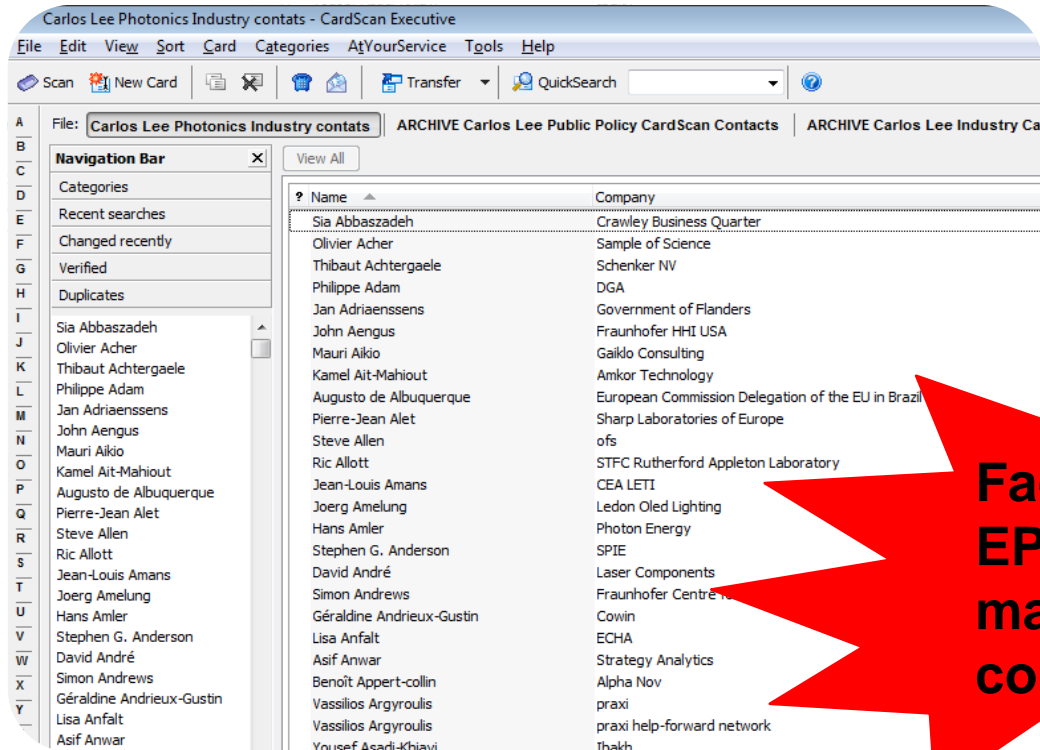
LED (Light-Emitting Diode) A disruptive technology new lighting resource



LED (Light-Emitting Diode) is a disruptive technology new lighting resource. It is a solid-state light source that is highly efficient and long-lasting. LED lighting is becoming increasingly popular in a wide range of applications, from residential lighting to industrial lighting. The use of LED lighting can significantly reduce energy consumption and lower the carbon footprint of buildings. LED lighting is also becoming increasingly popular in the automotive industry, where it is used for interior and exterior lighting. The use of LED lighting can significantly improve the safety and visibility of vehicles. LED lighting is also becoming increasingly popular in the medical industry, where it is used for surgical lighting and patient care. The use of LED lighting can significantly improve the quality of patient care and reduce the risk of infection. LED lighting is also becoming increasingly popular in the entertainment industry, where it is used for stage lighting and lighting in theaters. The use of LED lighting can significantly enhance the visual impact of performances and create a more immersive experience for the audience. LED lighting is also becoming increasingly popular in the architecture industry, where it is used for lighting in buildings and public spaces. The use of LED lighting can significantly enhance the aesthetic appeal of buildings and create a more sustainable environment. LED lighting is also becoming increasingly popular in the agriculture industry, where it is used for growing plants in greenhouses. The use of LED lighting can significantly improve the growth and yield of plants and reduce the risk of disease. LED lighting is also becoming increasingly popular in the manufacturing industry, where it is used for lighting in factories and warehouses. The use of LED lighting can significantly improve the safety and efficiency of manufacturing processes and reduce the risk of accidents. LED lighting is also becoming increasingly popular in the transportation industry, where it is used for lighting in vehicles and on roads. The use of LED lighting can significantly improve the safety and visibility of vehicles and reduce the risk of accidents. LED lighting is also becoming increasingly popular in the defense industry, where it is used for lighting in military vehicles and bases. The use of LED lighting can significantly improve the safety and security of military operations and reduce the risk of detection. LED lighting is also becoming increasingly popular in the space industry, where it is used for lighting in spacecraft and on the moon. The use of LED lighting can significantly improve the safety and efficiency of space exploration and reduce the risk of accidents. LED lighting is also becoming increasingly popular in the underwater industry, where it is used for lighting in submarines and underwater vehicles. The use of LED lighting can significantly improve the safety and visibility of underwater operations and reduce the risk of accidents. LED lighting is also becoming increasingly popular in the underwater industry, where it is used for lighting in submarines and underwater vehicles. The use of LED lighting can significantly improve the safety and visibility of underwater operations and reduce the risk of accidents.



EPIC members have access to EPIC's industrial network



**Facilitating
EPIC members
make new
contacts!**

2.500 personal contacts 1.600 LinkedIn contacts 20.000 newsletter distribution

EPIC account on LinkedIn is among the 1% most viewed profiles in 2012







EPIC Manages LinkedIn Optical Networking Group 9056 members

Screenshot of the LinkedIn Optical Networking Group page, showing 9,056 members and various group activities.

Optical Networking 9,056 members [Member](#) [i](#) [↗](#)

[Discussions](#) [Jobs](#) [Search](#) [Manage](#) ²


Top Influencers in this Group


   


Satkunarajah Shelton
Lecturer at University of Jaffna
[Follow Satkunarajah](#)

[See all members](#) ▶

Latest Activity

 **Michael lu** commented in the group on [can any body suggest latest hot topic related to radio over fiber?: i am also interested in ROF](#)
5 hours ago

 **Carlos Lee EPIC LinkedIn** started a discussion: [EPIC EU funding event in France and United Kingdom](#)
14 hours ago

 17 people have joined the group, including [George Vera](#), [Parvez Omar](#) and [Jiany](#)

EPIC EU funding event in France and United Kingdom
[Carlos Lee EPIC LinkedIn](#)
In conjunction with leading events across Europe, the European Photonics Industry Consortium and its members PNO/Tematys/Yole bring together experts and partners interested in

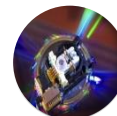
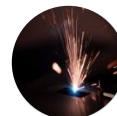
EPIC members have preferential access to EPIC's association network

EPIC:

- Member of European Defense Agency CapTech 3 WG (Photonics Capabilities)
- Member of the European Cluster Alliance
- Member of the International Solid State Lighting Alliance
- Member of the International Optoelectronics Association
- Member of the SPIE conference committee
- Member of the OPTRO committee (Optronics in Defence and Security)
- Registered Stakeholder of the European Chemicals Agency
- Member of the European Commission Key Enabling Technologies High Level Group



THE WORLD BANK



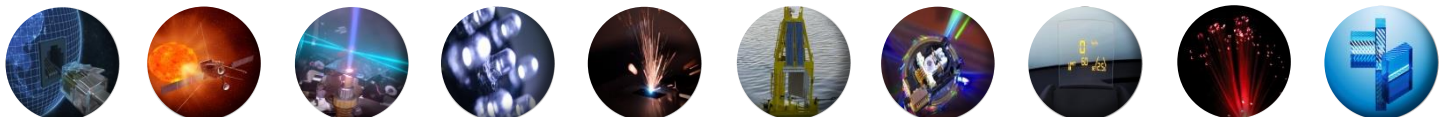
EPIC members have preferential access to EPIC's European and International network

EPIC has established relations with European organizations:

- DIGITAL Europe
- LIGHTING Europe
- Joint Forces for Solar
- FTTH Council (Fiber To The Home)
- SEMI Europe (Semiconductor Equipment and Materials)
- CECIMO (European Association of the Machine Tool Industries)

EPIC has established relations with International organizations:

- PHOTONS Canada (Canada)
- OSA – The Optical Society (USA)
- ISA – International SSL Alliance (China)
- OIDA – Optoelectronics Industry Development Association (USA)
- KAPID – Korea Association for Photonic Industry Development (Korea)
- PIDA – Photonics Industry and Technology Development Association (Taiwan)
- OITDA – Optoelectronics Industry and Technolog Development Association (Japan)



EPIC members are promoted as partners in EU funded projects

Partners

Looking for project partners? Consult the EPIC directory! Listing our members' competence and experience in research projects. Download the [EPIC Members Directory](#).



Photonics Research Funding in Europe

[Discussions](#) [Members](#) [Promotions](#) [Jobs](#) [Search](#) [Manage](#) [More...](#)

This open group aims to serve as an information hub and a professional networking platform for those organisations and individuals involved, or considering to become involved, in funding in the field of Photonics at European level. Share call for proposals, find partners, ask questions related to projects and grants.

About this Group

Created: October 6, 2012

Type: Professional Group

Members: 482

Owner: [Carlos Lee](#)

Managers: [James Cogan](#)

Website: <http://www.epic-assoc.co>

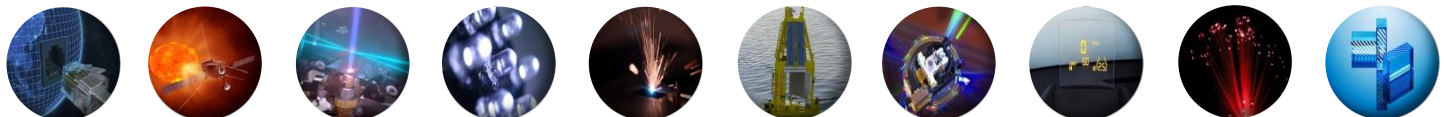
Group Members in Your Network



Peter Van Daele

Prof. at IMEC - Ghent University

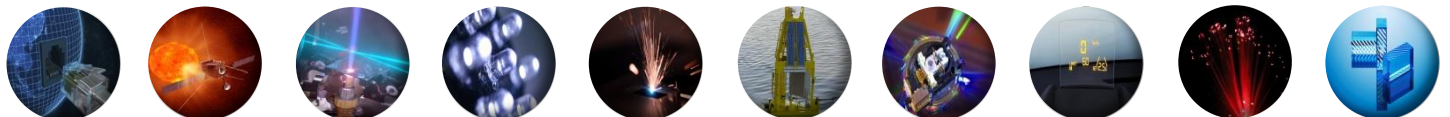
1st



EPIC Involved in EU Funded Projects

EPIC has conducted these tasks on several European projects, recent and in progress projects include:

- **NEXPRESSO** - Network for EXchange and PRototype Evaluation of photonicS componentS and Optical systems (258178 FP7-ICT)
- **EUROPIC** - EUROpean manufacturing platform for Photonic Integrated Circuit (228839 FP7-NMP)
- **LIFT** - Leadership In Fiber Technology (228587 FP7-NMP)
- **OLED100.EU** - Organic LED lighting in European dimensions (224122 FP7-ICT)
- **ACCORD** - Advanced components cooperation for Optoelectronics research and development (34041 FP6-IST)
- **MONA** - Merging Optics and NAnotechnologies (17255 FP6-IST)
- **OPERA** - Optics and Photonics in the European Research Area (15734 FP6-IST)



Organization of EU Funding Events

Highlights

Members Area

Membership

Database

Events

Advocacy

EU Funding

Mission

EPIC EU Funding Event

Partners

NEXPRESSO

LIFT

euroPIC

ECO-LASERFACT

Education & Training

Publications

LinkedIn

Employment

1 October 2013, 13:00-16:00 in Paris, France

In conjunction with [28th European Photovoltaic Solar Energy Conference and Exhibition](#)

Location: Exhibition Forum in Hall 2, Parc des Expositions, Paris Nord Villepinte, France

Speakers include: PNO, Tematys, EPIC

Registration: Free, max capacity 50 participants. [Register online](#) - [Agenda](#)

16 October 2013, 14:00-17:00 (+ reception) in Coventry, United Kingdom

In conjunction with [PHOTONEX UK](#)

Location: Meeting Room 'The Chairman's Lounge', The Ricoh Arena, Phoenix Way, Foleshill, Coventry CV6 6GE, UK

Speakers include: PNO, EPIC

Registration: Free, max capacity 80 participants. [Register online](#) - [Agenda](#)

29 October 2013, 14:30-18:00 in Paris, France

In conjunction with [Advanced Solid-State Lasers](#)

Location: Marriott Paris Rive Gauche Hotel and Convention Center

Speakers include: PNO, Tematys, Yole Finance, EPIC

Registration: Free. [Register online](#) - [Agenda](#)

13 December 2013, 10:00-13:00 (+ lunch) in Brussels, BelgiumIn conjunction with the

EPIC 10th Anniversary Event

Location: To be announced.

Speakers include: Thomas Skordas, Head of the Photonics Unit, European Commission, PNO, Tematys, EPIC

Registration: Free. [Register online](#)

19 March 2014, 15:00-18:00 in Berlin, Germany

In conjunction with [Laser Optics – International Trade Fair and Congress for Optical Technologies and Microsystems](#)

With the support of Photonics Cluster Berlin Brandenburg, Laser Optics, OpTecBB and Berlin Partner

Location: Theatre directly in the Berlin Exhibition Grounds, Messedamm 22, 14055 Berlin

Speakers include: European Commission (invited), Enterprise Europe Network Berlin-Brandenburg, PNO, EPIC

Registration: Free. [Register online](#)

7 May 2014, 14:00-17:00 in Aachen, Germany

In conjunction with [AKL - International Laser Technology Congress](#)

Location: Meeting Room 'Amsterdam' at Hotel Pullman Aachen Quellenhof

Speakers include: PNO, EPIC

Registration: Free, max capacity 60 participants. [Register online](#)

innovations at Exhibition

Time-Bandwidth Products expands to new facility

[09/09/2013]

Responding to growing demand for its industrial ultrafast lasers, Time-Bandwidth Products has moved to a new 2,000 sq. m facility in the greater Zürich area.

Yenista unveils new Optical Spectrum Analyzer [03/09/2013]

OSA20 operates from 1250 to 2000 nm with scan speed up to 200 nm/s and wavelength accuracy of ±0.01 nm.

New concept for Gun Laser presented at the 2013 FEL conference [30/08/2013]

A team of researchers at Paul Scherrer Institute, in collaboration with Amplitude Systèmes, presented last week at the Free Electron Laser Conference, in New York, a new concept for the future Swiss Gun Laser.

Solar Junction surpasses previous World-Record with certified 44.1% cell efficiency

IQE's production qualified [23/08/2013]

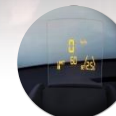
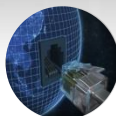
IQE high-volume, production qualified material independently certified as achieving 44.1% efficiency

» [More news](#)

EPIC organizes Focused Thematic Events

Examples:

- Aerospace/Security/Defense hosted by Thales, United Kingdom
- Biophotonics hosted by Maastricht hospital, The Netherlands
- Photonics Integrated Circuits hosted by IBM, Switzerland
- Opto-electronics in Automotive hosted by PSA Peugeot, France
- Optical Interconnect in Data Centers, Laser Optics, Germany



EPIC Board of Directors



Andy
Carter



Bruno
Mourey



Drew
Nelson



Hans-Joachim
Grallert



Heinz
Seyringer

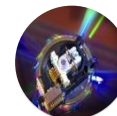
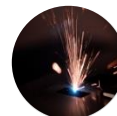


Kurt
Weingarten



Maurizio
Zuffada

- Andy Carter, Chief Scientist, Oclaro (United Kingdom)
- Bruno Mourey, Vice President Optics and Photonics, CEA LETI (France)
- Drew Nelson, President & CEO, IQE (United Kingdom)
- Hans-Joachim Grallert, Director, Fraunhofer Heinrich Hertz Institute (Germany)
- Heinz Seyringer, Head of Research Collaborations, Zumtobel Lighting (Austria)
- Kurt Weingarten, Founder and CTO, Time-Bandwidth Products (Switzerland)
- Maurizio Zuffada, Director Advanced R&D, STMicroelectronics (Italy)



Become member and join an active community of companies driving the photonics revolution!

Membership fee

- Start-up (less than 2 years) → € 500
- Company with annual revenues below € 10 millions → € 2000
- Company with annual revenues over € 10 millions → € 4000
- Company with annual revenues over € 100 millions → € 6000
- Research organization → € 2000
- University → € 1000

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