



To Photonics21Secretariat
via eMail: secretariat@photonics21.org

or via Mail:
c/o VDI Technologiezentrum GmbH
ST / QS
Attn: Barbara Kehrer, Ursula Tober, Markus Wilkens
VDI Platz 1
40468 Düsseldorf
Germany

Dear Photonics21 Secretariat

We herewith submit the nomination of the following Photonics21 Board of Stakeholder candidate (organization) / representative (person).

**- Letter of Nomination -
Photonics21 Board of Stakeholders
Election 2019**

Photonics21 Board of Stakeholders - Letter of Nomination

§ 5 BOARD OF STAKEHOLDERS (6) b....A candidate nomination will always contain the name of the candidate organisation together with its proposed BoS Representative, and voting on a candidate implies voting on this combination.

1. Full legal name of the affiliation nominated as BoS Member (candidate's organisation):

IQE plc

2. Full contact details of the affiliation (street, postal code, country) nominated as BoS Member and invoice address:

**Pascal Close
St Mellons
CARDIFF
CF3 0LW UK**

3. Name of the suggested BoS Representative (the personal candidate) : Iwan Davies

4. Information about the BoS candidate and the BoS representative

Extract Photonics21 Terms of Reference¹: “§ 5 BOARD OF STAKEHOLDERS; ...(6) Election of BoS Members: “Description of the activities of, and information about the added value and contribution to the BoS by both the nominated BoS member and the BoS Representative”

a) Description of the activities and information about the expected contribution and value added the nominated BoS member (candidates organization) will bring to the BoS²

IQE was created in 1988 to provide a foundry service for advanced compound semiconductor wafers. Headquartered in Cardiff, UK, IQE plc is now clearly recognised as the leading global supplier of advanced wafer products and wafer services to the Compound Semiconductor industry, operating across a broad range of markets, and is operated through six discrete business units:-

- **Wireless:** the supply of material high frequency RF devices such as HBT, pHEMT, BiFET for applications in mobile communications, wireless interconnections, the Internet of Things etc.
- **Photonics:** laser and detector structures for telecommunications, sensing & biophotonics, healthcare, medical diagnostics & treatment, solid state lighting, imaging etc.
- **Solar:** Clean energy generation (HCPV), space power applications, UAVs, etc.



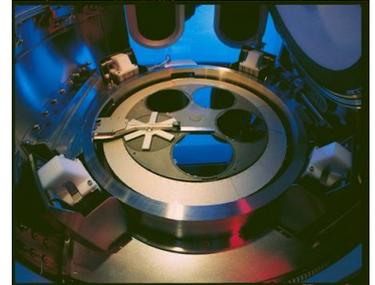
¹ Photonics21 Terms of reference are available at

http://www.photonics21.org/download/general_inf/TermsOfReference/ETPPhotonics21TermsOfReference.pdf

² The candidate is aware and accepts that according to the Photonics21 Terms of Reference a service agreement and a service fee invoice is to be signed / paid with the Photonics21 association.

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- **Infrared:** Infrared Imaging, communications, advanced sensing applications, spectroscopy, Compound Semiconductor substrates and source materials, etc.
- **Power:** Power switching, base stations, self-drive vehicles, radar, military communications, MMICs, cable TV, Point to Point, RF Microwave Backhaul, satellite communications etc.
- **CMOS++:** Integration of compound semiconductors with CMOS



IQE plc is the parent body of eleven manufacturing entities spanning Europe, Asia and the USA, seven of which provide pure-play foundry III-V epitaxial services to a worldwide client base of many hundreds of commercial, academic and research organisations. The group has an annual turnover of ~€177M and employs roughly 700 people worldwide.

- b)** Description of the activities and information about expected contribution and value added the BoS Representative (candidate / person) will bring to the BoS.



Dr. Iwan Davies obtained a B.Sc (Hons) in Chemistry from Imperial College, London and a Ph.D. on MOVPE Studies in Compound Semiconductors from the University of Manchester. He is a member of the Royal Society of Chemistry. With over 35 years' experience in III-V and II-VI semiconductor epitaxial growth by MOVPE, he has co-authored over 100 publications covering a very broad range of optoelectronic devices and material systems. Following a period of research and development at Plessey Research (Caswell) Ltd., he has managed the growth and characterization of epi-wafers, plant operations and product engineering, principally for Photonics-based GaAs and InP-based material systems at IQE plc. He is currently IQE plc Group Technology Director, with responsibilities for UK & European Research Project Co-ordination and corporate responsibility for chemical, safety and environmental issues.

Final information from the Photonics21 secretariat:

- We recommend limiting the BoS nomination letter to 3-4 pages max.
- Letters of nominations can either be submitted
 - A) electronically (secretariat@photonics21.org) - **PREFERRED**
 - B) by post mail to:

VDI Technologiezentrum GmbH
ST/QS
B. Kehrer/ U. Tober/ M. Wilkens
VDI-Platz 1

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Germany

It is highly recommended to consult the Photonics21 Terms of Reference before submitting the nomination.

- *Please note that the deadline for providing BoS nominations to the Photonics21 Secretariat is the **21st. September 2019.** This is also valid for postal submission.*