Dear Photonics21 Secretariat

We herewith submit the nomination of the following Photonics21 Board of Stakeholder candidate Photonics Bretagne / representative David Méchin.

- Letter of Nomination -
Photonics21 Board of Stakeholders
Election 2018

§ 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):

Photonics Bretagne

2. Full contact details of the affiliation (street, postal code, country) nominated as BoS Member and invoice address (in case the candidate is elected, the affiliation needs to pay an annual service fee according the Photonics21 Terms of Reference §5 (10)):

4 Rue Louis de Broglie
22300 Lannion
France

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

David Méchin

4. Information about the BoS candidate and the BoS representative

Extract Photonics21 Terms of Reference[1]: "§ 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 BoS[2]

Photonics Bretagne https://www.photonics-bretagne.com/en/homepage/ is a photonics Innovation Hub gathering a business cluster and a research and transfer organisation (RTO), formerly known as Perfos, in the same organisation:
The cluster has 107 members since our last general assembly in June 2018. Our mission is to promote the development of photonics in Brittany (France) and support industrial and technological development of our members to generate economic growth and direct/indirect employment opportunities. Brittany is a region with a unique concentration of SMEs, research centers and Schools in the field of Photonics. The main objectives of the cluster are to:

[1] Photonics21 Terms of reference are available at https://www.photonics21.org/download/about-us/structure/ETP_Photonics21_Terms_of_Reference_C3.pdf?m=1513688127&?m=1499877714
[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.

-Assist SMEs in their business development
-Accelerate Transfer technology
-Develop competitive intelligence in SMEs
-Provide project engineering assistance
-Boost SME's visibility at tradeshows
-Promote leverage effect of photonics technologies
Brittany has a long history with photonics (especially Lannion and the telecom industry in the nineties) but also a bright future as the region has indicated photonics as priority in their smart specialization strategy (see S3 platform website).

Photonics Bretagne has also the unique specificity to integrate a RTO dedicated to the development of specialty optical fibers and fiber components. In particular, the platform develops custom microstructured fibers from the conception to the integration for very diverse applications, especially linked to safety/security, agro-food, automotive, health, environment (energy, sea…)… We can make almost any kind of silica (active/passive, PM, LMA, airclad, Hollow-core…) photonic crystal fibers but also components such as tapers, customs rods, capillaries… The platform has obviously all the simulation and characterization tools needed to meet the needs of customer's application requirements. Besides, the development of proof of concept and demonstrators of sensors in the field of biophotonics is currently enhanced. We have the objective to be a technology transfer platform between academic research and industry. Photonics Bretagne is considered to be a SME in EU project due to the commercial activity of the platform.

Photonics Bretagne has participated to several EU project in the past few years, both on the "fiber side" (LIFT project) and on the cluster side (FP6 Accor, FP7 Nespresso, FP7 Oasis, H2020 Eprise, Interreg Stephanie) and is currently acting as a third party for the Photonics France (French national platform) for the Nextpho21 project. We are also an active member of EPIC and in the Board of Photonics France.

In one word, Photonics Bretagne will represent numerous local SMEs in the BOS while bringing strong scientific added values in the field of specialty optical fibers and biophotonics.

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

Dr. David Méchin (French citizen) received a PhD in Photonics from the University of Saint-Etienne in 2001. He studied Bragg grating based optical add drop multiplexers in the research labs of France-Telecom and Highwave Optical Technologies (1998-2002) in Lannion (France). He then worked on various topics in the field of nonlinear optics in fibers in the physics department of the University of Auckland and at Southern Photonics (2002-2009) in New-Zealand. Dr Méchin is currently director of Photonics Bretagne, innovation hub in the field of Photonics in Brittany (France).
Since 2009, he had the opportunity to build strong relationships with local CEOs and directors of schools/research centers but also at national level in France through the national platform

CNOP that became Photonics France recently (David Méchin has been the head of international relations for the CNOP since 2012) and at European level. Indeed, the numerous European projects, international tradeshows and his duty to inform Photonics Bretagne/CNOP members from the last development of the European policy induced a lot of work with collaborators from Europe and above. David Méchin has also been a key person to advocate photonics technologies towards local politicians/funding agencies.
Since his PhD, David Méchin has been the author of more than 100 scientific publications/patents. The main topic of interest in the last years was obviously linked to specialty fibers but also more recently to the biophotonics application field, especially in smart farming and the agro food industry.

Final information from the Photonics21 secretariat:

- *We recommend limiting the BoS nomination letter to 3-4 pages max.*
- *Letters of nominations should be either submitted via the Photonics21 website*

  https://www.photonics21.org/bos-election/index.php

  or via e-mail to secretariat@photonics21.org .

- *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 **21 st September 2018**.*