



Dear Photonics21 Secretariat

We herewith submit the nomination of the following Photonics21 Board of Stakeholder candidate (Aix-Marseille University) / representative (Dr. Philippe DELAPORTE).

**- Letter of Nomination -  
Photonics21 Board of Stakeholders  
Election 2018**

## 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):

**Aix-Marseille University (AMU)**

### 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)):

#### Contact details of the affiliation

Aix-Marseille University  
Jardin du Pharo  
58, bd Charles Livon  
13284 Marseille Cedex 07  
France  
Tél: +33 491 396 500



#### Contact details of the suggested BoS Representative

Philippe Delaporte  
LP3 laboratory  
Luminy Campus, C. 917  
163, Avenue de Luminy  
13288 Marseille Cedex 09  
France  
Tél: +33 491 829 284



#### Invoice address

Aix-Marseille University  
LP3 laboratory  
Luminy Campus, C. 917  
163, Avenue de Luminy  
13288 Marseille Cedex 09  
France

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

**Dr. Philippe DELAPORTE**  
Director of Research  
Director of LP3 laboratory

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### 4. Information about the BoS candidate and the BoS representative

*Extract Photonics21 Terms of Reference<sup>1</sup>: “§ 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<sup>2</sup>

#### **Description of Aix-Marseille University**

Aix-Marseille University (AMU) is the largest French-speaking University. This establishment gathers 76,000 students, including 10,000 international students, in undergraduate, graduate and continuing education and 8,000 personnel. Aix-Marseille University brings together 119 research structures, often in partnership with national research organizations. Five major areas of research are addressed: Energy; Environment, Health and life sciences, Sciences and advanced technologies, and Humanities and social sciences. Thanks to this broad expertise, interdisciplinary studies and knowledge development are the main axes of growth for AMU. Aix-Marseille University is one of the 4 permanent IDEX (Initiative of Excellence) awarded universities selected to obtain a grant based on high quality criteria of research and education.

The main research and development activities related to the topics of Photonics21 are: lasers and photonic processes, biophotonics, plasmonics, medical imaging, bio-imaging, photovoltaics, OLAE technologies. Among the research and technological platforms belonging to Aix-Marseille University one can mention: lasers and applications, optical coating, large mirror polishing (up to 2 meters), bio imaging and especially medical imaging with CERIMED (European Center of Research on Medical Imaging).

#### **Contribution and added value of Aix-Marseille University**

Aix-Marseille University has a broad range of scientific expertises and is strongly involved in interdisciplinary research. It works also in close collaboration with competitiveness clusters (Photonics, microelectronics, aeronautics, sea, energies ...) and companies. Many projects are running at Aix-Marseille University on the development of new photonic technologies or new applications of photonics thanks to this interdisciplinary culture. AMU will bring its expertise in many fields related to photonics and applications and in interdisciplinary projects.

Aix-Marseille University will contribute to all the work groups of Photonics21, with a great expertise in the work groups 1, 2, 3, 5 and 7.

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<sup>1</sup> 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](https://www.photonics21.org/download/about-us/structure/ETP_Photonics21_Terms_of_Reference_C3.pdf?m=1513688127&m=1499877714)

<sup>2</sup> 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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- b) Description of the activities and information about expected contribution and value added the BoS Representative (candidate / person) will bring to the BoS.**

Aix-Marseille University proposes Dr. Philippe Delaporte as candidate for the election to the board of Stakeholders. This decision was taken due to his wide range of research activities in photonics and its great expertise in industrial collaborations on photonic applications in many fields. He is involved in competitiveness clusters on Photonics (OPTITEC), aeronautics (PEGASE) and microelectronics (SCS). He is also the coordinator of the interdisciplinary and intersectoral research pole 'Sciences and Advanced Technologies' of Aix-Marseille University. He is the current representative of Aix-Marseille University at the BoS of Photonics21.

Philippe Delaporte obtained the Engineer Diploma (1984) and Ph.D. degree (1987) at Aix-Marseille University. Since 1988, he has been staff member scientist at the laboratory of Lasers, Plasmas and Photonic Processes. Since 2012, he is the director of the LP3 laboratory. In 1992, he obtained the bronze medal of the French National Centre of Scientific Research (CNRS) for his work on ionic excimers. His research directions are now focused on laser ablation and the development of pulsed laser applications such as laser printing and surface structuring. He is author or co-author of more than 150 articles in peer-review journals, 5 chapters of books. He gave 80 invited and plenary presentations in international conferences.

Philippe Delaporte spent eight years in the scientific board of the Plasmas division of the French Physical Society (SFP). He is also Vice-President of OPTITEC, the French competitiveness cluster on photonics. He was the coordinator of the FP7 collaborative project e-LIFT (2010-2012).

### **Contribution and added value of Philippe Delaporte to the Board of Stakeholders**

Philippe Delaporte has a great expertise in laser processes and transfer of technologies toward industry. His laboratory manages 3 laser platforms that are open for both academic and industrial. His laboratory is a European host laser laboratory in the frame of Laserlab program. He recently coordinated the European FP7 project 'e-LIFT' on laser printing (9 academics, 6 companies), and he was involved in the IAPP project 'LaserMicroFab' for the transfer of laser technologies towards industry. Philippe Delaporte knows very well the European projects, the expertise of European scientists in the field of lasers and photonic processes and the potential of laser for industry.

After 34 years as researcher and 18 years as vice-director, and now director, of a research laboratory, he knows very well the needs and the potential of academic. As vice president of the competitiveness photonic cluster OPTITEC, he is also aware of the needs and the constraints of the competitive world of industry. This double knowledge is of prime importance to define workprograms that are attractive to both worlds.

Philippe Delaporte is used to work with end-users that are not aware of photonic processes. Photonics, as a Key Enabling Technology, is a transversal technology that can be used in many fields of applications. Its expertise will be very useful to take into account in the preparation of the workprograms the needs of end-user companies and motivate them to participate to European projects.

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### *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](mailto: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<sup>st</sup> September 2018.***