To Photonics21Secretariat
via eMail: *secretariat@photonics21.org*

Dear Photonics21 Secretariat

We herewith submit the nomination of the following Photonics21 Board of Stakeholders candidate ALPHA-RLH (Route des Lasers & des Hyperfréquences) / Isabelle Tovena Pecault

- Letter of Nomination -
Photonics21 Board of Stakeholders
Election 2023

Photonics21 Board of Stakeholders - Letter of Nomination

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

   ALPHA-RLH (Route des Lasers & des Hyperfréquences)

2. **Full contact details of the affiliation (street, postal code, country) nominated as BoS Member and invoice address** *(In accordance with the Terms of Reference §5, which the Affiliation acknowledges having received, an Annual Service fee will be invoiced every year during the first quarter to the BoS Member. By signing the present letter, the BoS candidate agrees to pay this Membership Fee. The Fee will be considered an asset of the Photonics 21 AISBL in accordance with its statutes (article 12b).)*

   ALPHA - Route des Lasers & des Hyperfréquences
   Institut d'Optique d'Aquitaine
   Rue François Mitterrand
   33400 TALENCE
   France

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

   Isabelle TOVENA PECAULT

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

a) Description of the activities and information about the expected contribution and value added the nominated BoS member (candidate's organisation) will bring to the BoS[1]

ALPHA-Route des Lasers & des Hyperfréquences (ALPHA-RLH) is a well-known deep technology competitiveness cluster specializing in photonics, laser and microwave technologies. It is the result of a merger on December 2016 between two French competitiveness clusters, Route des Lasers (Bordeaux) and Elopsys (Limoges). The cluster is focused on 3 core technological fields: Photonics-Laser (laser sources and processes, optical components, instrumentation) and Microwave (integrated electronics, radiocommunication systems, radar systems) and Materials for those previous fields. Those three Key Enabling Technologies support 4 strategic application domain : Healthcare (Medical devices and Silver Economy), Communication and Security, Aerospace and Defense and Energy/Smart Building.

The cluster will bring to the BoS its expertise such as:

- Animation to facilitate collaboration, information sharing, networking,
- Scientific and technological expertise for European projects or initiatives,
- Marketing and promotion of Photoncis21 actions,
- Organisation of training programs, workshops and conferences,

[1] The candidate is aware and accepts that according to the Photonics21 Terms of Reference (§ 5 (10) a member ship fee - as determined by the General Assembly of the Association - needs to be paid to the Photonics21 association.

- Business support services to support collaborative projects and private funding via our busi-ness convention INPHO VENTURE SUMMIT.

Our cluster is involved in the European Clusters Alliance (vice presidency) and chairing the European Cluster Labelling Excellence Structure and, as such is an influent partner for dissemination and communication of photonics use to tackle the European challenges in a changing society and a climate change environment, supporting the twin digital and clean transition. Our cross-sectoral activities will help drive the industrial modernisation process in Europe and will provide a springboard for cluster SMEs to internationalize and support regional actions through the leverage of photonic technologies in key emerging industries. These inter-clustering actions will help match photonics/technology solutions with market applications to ensure cluster ecosystems linkages are strengthened. The concept will create synergies bet-ween cluster and SME policy support programs from DG GROW and KET's from DG RTD and support regional growth via S3 strategies. We will contribute to provide the foundations for both European inter cluster and international cooperation actions.

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

Isabelle Tovena-Pecault is Director Europe & International of ALPHA-RLH cluster (on loan from CEA since 2019).
From background, she is Doctor Engineer in Materials science and technology with an authorization to lead Research in Chemistry. She has been an International Expert in Contamination Control and Metro-logy while she was managing the Laser MegaJoule Cleanliness (the largest cleanroom facility in Eu-rope). So doing, she has published significant contributions in this scientific and technological field. She is the inventor of 10 patents with licensing to innovative products being sold by startups and SMEs. She has a sustained experience in Research and Technology transfer and valuation with significant awards and prizes. Since 2019, Isabelle built an active European network to help photonics SMEs and resear-chers to collaborate in the frame of H2020 and now Horizon Europe. She leads ALPHA-RLH European and International team with success stories such as PIMAP+, PIMAP4sustainability, NEWSKIN and EDIH DIHNAMIC. One of our main challenges is to convince our members to participate in European collabo-rative projects and she innovated in 2021 with « La minute Europe d'Isabelle ». She is very active in the European Cluster initiatives in connection with the European Cluster Association(ECA) and the Associa-tion of the french cluster (AFPC)
Since 2021, she is mentoring women in the frame of the EIC women Leadership program and working on gender equality and women's empowerment, encouraging the youngest ladies to choose a scientific career. She developed a strong experience in European lobbying (Member of the European Network of Defence-related regions) about economic development, innovation strategy and PPP and will be more than happy to contribute to the worldwide sustained deployment of Photonics technologies and science within Photonics 21 BoS.