



To Photonics21Secretariat
via eMail: secretariat@photonics21.org

Dear Photonics21 Secretariat

We herewith submit the nomination of the following Photonics21 Board of Stakeholder candidate
VALEO VISION

**- Letter of Nomination -
Photonics21 Board of Stakeholders
Election 2020**

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):

VALEO VISION

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 Service Fee. The Service Fee will be considered an asset of the Photonics 21 AISBL in accordance with its statutes (article 12,c).*

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**34 rue Saint André
93021 Bobigny
France**

3. Name of the suggested BoS Representative

M. Xavier BAILLARD

<https://fr.linkedin.com/in/xavier-baillard-9467826>

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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

½ - 1 page description suggested

VALEO is an automotive supplier and partner to automakers worldwide. As a technology company, we design innovative solutions for smart mobility, with a particular focus on intuitive driving and reducing CO₂ emissions. The Group also provides and distributes spare parts for automakers and independent aftermarket operators

VALEO Visibility Systems designs interior and exterior lighting solutions tailored to meet all automaker model requirements. From the latest adaptive lighting technologies to intuitive interior lighting solutions to stylish and design-centric external lighting, VALEO constantly innovates to improve comfort and safety for drivers and passengers alike. From innovative interior and exterior lighting solutions (headlamps and lights), to LED lights and non-blinding “road” beams, each solution addresses the needs and market trends of cars, while ensuring clear visibility and the safety of drivers.

VALEO Comfort and Driving Assistance Systems designs solutions around the concept of intuitive driving: automated, connected and easy to use. It has developed a large portfolio of sensors to enable automated/autonomous driving, including photonics-based sensors such as Lidars (today the only company to have a Lidar in mass production) or cameras (thermal, time-of-flight...). It is also focusing on connectivity – including V2X communication, and human-machine interfaces that are more and more including light-based features.

With the challenges coming with the development of automated driving functions, reduction of electric consumption in cars and safety regulations, photonics should play an increasing role in the automotive industry, and VALEO is uniquely positioned among European Tier1 suppliers on all these topics.

¹ Photonics21 Terms of reference are available at

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

Xavier BAILLARD has been recently appointed Research and Innovation Director for VALEO Visibility Systems, one of the 4 Business Groups of VALEO. He is therefore in charge of coordinating the long-term technological development strategy for lighting and wiping products, combining market expectations and technological trends. On top of topics relating to product innovation, he also plays a supporting role for process innovation, making the link between R&D and industrialization topics.

His previous position at VALEO covered the topic of open innovation at corporate level which also gives him a clear understanding of technological roadmaps in other business groups, in particular in the Comfort and Driving Assistance business group that is developing a wide variety of sensors (including different types of cameras and Lidars).

Holding a PhD in quantum optics, he has the technical background necessary to understand and take part in discussions on the topic of photonics.

As a member of the board of stakeholders, Xavier could contribute to the work of Photonics21 by bringing insights and knowledge regarding the automotive industry, with a strong technical/marketing/business support from the Valeo organization, which could cover different areas of the car industry (lighting, sensors, communication) as well as its industrial aspects. Automotive & Transport has been identified as an area of interest for the European photonics community, but there are currently no working groups dedicated to the topic, nor BoS members coming specifically from this industry.

Final information from the Photonics21 secretariat:

- *We recommend limiting the BoS nomination letter to 3-4 pages max.*
- *Letters of nominations should be submitted electronically 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 **25th August 2020**.*