



Dear Photonics21 Secretariat

We herewith submit the nomination of the following Photonics21 Board of Stakeholder candidate:
Dr. Christian Bosshard / CSEM

**- 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):

CSEM - Centre Suisse d'Electronique et de Microtechnique SA

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)):

CSEM, Centre Suisse d'Electronique et de Microtechnique SA, R&D, rue Jaquet Droz 1, CH-2002, Neuchatel, Switzerland

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

Christian Bosshard

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

Contribution to the visibility of Photonics in Europe: the added value comes from the position of Ch. Bosshard as a Vice President of a major RTO, CSEM, targeting industrialization of technology as well as the managing director of Swissphotonics (the Swiss national network on Photonics).

The CSEM is a privately held, research and development company established in 1984 in Switzerland. It has currently around 450 employees and is mainly active in the fields of micro/nanotechnology, microelectronics, systems engineering, information and communication technologies and carries out applied research, development, prototyping and small series production

The actions, with the support of the fellow members, is to target the promotion of photonics in the European Industry, the transfer of photonic technologies from research to industry and the creation of new jobs. The tasks include the support of major optics events, brainstorming in different countries (in cooperation with local players from industry to see where

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.

Photonics21 Board of Stakeholders - Letter of Nomination

industry is going, exploit the possibility of national B2B), meetings with overseas R&D and Industry, creation of synergies between ESA and industry and promotion of European Photonics, e.g. through dedicated events.

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

Christian Bosshard, PhD, has been a BoS member for the last four years and applies for re-election. He is Vice President at CSEM, Head of Center Muttenz, managing developments in the fields of MicroNano Optics & Photonics, Sensing & Security, Large Area & Flexible Systems and associated integration technologies for applications including in solid state and daylighting, space and aeronautics, pharma and bio, health and medicals. Christian Bosshard received his degree in Physics (1986) and his doctorate (1991, Silver medal award) from ETH. After a postdoctoral stay at the Center for Research and Education in Optics and Lasers (CREOL) in Orlando, Florida, he was Senior Scientist and Lecturer ('venia legendi') at ETH before joining CSEM in 2001. Christian Bosshard is a Fellow of the Optical Society of America (OSA) and managing director of the Swissphotonics technology network.

His intimate and long-standing knowledge of Photonics and the position of CSEM at the interface between Industry and Academia will bring valuable input from both sides. For instance Ch. Bosshard, is the person in charge of the Photonics Platform within the HTA (Heterogeneous Technology Alliance, the alliance of Fraunhofer- Microelectronics, CEA-LETI, VTT and CSEM). From this position he can bring valuable information from other major RTO's also very active in the field of Photonics

The contributions and value added that Christian Bosshard will bring to the BoS include the creation of major events in optics, targeting the promotion of photonics in the European Industry. This is planned to be carried out in collaboration with CSEM, the Swissphotonics NTN and EPIC, the European Photonics Industry Association. Furthermore, brainstorming events in different countries (in cooperation with local players from industry) will help to see where industry is going, to exploit the possibility of national B2B events and to strengthen the synergies between ESA and industry. In addition, meetings with overseas R&D organizations and industry to promote European Photonics are envisioned.

Photonics21 Board of Stakeholders - Letter of Nomination

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 **21st September 2018**.*