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

Dear Photonics21 Secretariat

We herewith submit the nomination of the following Photonics21 Board of Stakeholders candidate
Adtran Networks SE / Benjamin Wohlfeil

- 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):**

   Adtran Networks SE

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).)*

   Adtran Networks SE
   Justus-von-Liebig-Str. 7
   12489 Berlin
   Germany

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

   Benjamin Wohlfeil

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]

Adtran offers the most trusted end-to-end fiber broadband solution on the market. This AI-driven solution includes multigigabit fiber access platforms, managed mesh Wi-Fi solutions, cloud SaaS applications, and optical networking solutions. All are purpose-built to help network operators exceed their market penetration goals while streamlining their operations. Adtran empowers service providers to deliver intelligent, self-optimizing broadband to their customers, unlocking greater value — simply and sustainably at scale. Adtran offers a comprehensive range of open optical transport solutions. The technology is open and designed for easy interoperability and integration, providing an agile, scalable foundation ready to expand and evolve.

As a technology company in a research-heavy field, ADVA/Adtran has been engaged in collaborative research projects on EU-level for more than 15 years now and is represented in the Photonics21 BoS for a long time as well.

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

[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.

Dr. Benjamin Wohlfeil, is currently a Senior Manager in the Advanced Technology department at Adtran Networks SE in Berlin and is leading all photonic integration research activities of Adtran and formally ADVA with the goal of commercial exploitation for tele- and datacom applications. Beyond research, he is heavily engaged in development of pluggable coherent transceiver modules based on silicon photonics.

He received his Dipl.-Ing. degree in computer science from Technische Universität Berlin in 2008 and the Dr.-Ing. degree in electrical engineering also from Technische Universität Berlin in 2015. From 2014 to 2015 he worked as a post-doc in the group Computational Nano-optics at the Konrad-Zuse-Center for applied mathematics. Benjamin Wohlfeil has authored more than a dozen papers and is inventor of several patents. He is an active contributor to industrial standardization groups such as the Optical Internetworking Forum (OIF) and Consortium for On-Board Optics (COBO) regarding coherent optical transceivers and is involved in several national and European research projects. He contributed as a co-author to several white papers including a joint work by Photonics21 and EPoSS laying out the requirements for future communication networks and the relation to photonic technologies, which was also mirrored in his participation in a recent workshop of WG7 – Core Photonics. The experience gained during previous periods by ADVA's representatives Michael Eiselt and Jörg-Peter Elbers in the Photonics21 BoS will be available to him as well.