



To Photonics21 Secretariat
via eMail: secretariat@photonics21.org

Dear Photonics21 Secretariat

We herewith submit the nomination of the following Photonics21 Board of Stakeholders candidate
PhotonDelta Foundation / representative Abdul Rahim.

**- Letter of Nomination -
Photonics21 Board of Stakeholders
Election 2024**

Photonics21 Board of Stakeholders - Letter of Nomination

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

PhotonDelta Foundation

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).)*

PhotonDelta Foundation
HTC 31, 5656 AE Eindhoven
the Netherlands

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

Abdul Rahim

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 BoS¹

As an organisation supporting the Dutch photonic chip industry, PhotonDelta is deeply intertwined with technological advancements and diverse market opportunities within the data-com/telecom, quantum/AI, mobility, agrifood, and health sectors. PhotonDelta's widespread industry insights stand to enrich Photonics21 BoS's vision for the future of European photonic chip research, development, and innovation strategy.

PhotonDelta is a non-profit organisation supporting an end-to-end value chain in the Netherlands for photonic chips that designs, develops, and manufactures innovative solutions that contribute to a better world. We do so by creating global awareness and promoting the benefits and potential of the Dutch and European photonic chip ecosystem and its technologies. PhotonDelta is committed to facilitating the growth of startups, creating new photonic chip applications, and developing infrastructure and talent. Leveraging the Dutch government's funding from the National Growth Fund, alongside strategic investments, we catalyze the acceleration of the photonic chip industry by stimulating industrialization of photonic chip technology, and photonic chip-based application building, and forging connections with viable markets and stakeholders.

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.

Photonics21 Board of Stakeholders - Letter of Nomination

PhotonDelta's mission is to support and accelerate the growth and maturity of the photonic chip industry in the Netherlands and Europe. We do so by supporting the companies in the value chain from design to production, to packaging and application in solving the main bottlenecks and creating awareness and involve relevant stakeholders in this process. PhotonDelta allows international organisations to join the Dutch photonic chip industry and benefit from different services such as access to infrastructure and funding, participation in talent attraction, technology roadmaps, national and international events, business development and branding. PhotonDelta has been engaged in several collaborative projects on the EU level and facilitated the formulation of consortiums for the partner organizations in its ecosystem. PhotonDelta 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.

Dr. Abdul Rahim could be valuable as a BoS representative due to his extensive experience and expertise in photonics, business development, and ecosystem management. His contributions to the advancement of integrated photonics, workforce development, and advocacy as the program manager of ePIXfab demonstrate his strategic vision and leadership skills. Additionally, his academic background, including a double master's degree in photonics and a doctoral degree in electrical engineering, provides a strong technical foundation for understanding complex industry challenges. His authorship of numerous technical papers and participation in the development of white papers further highlights his ability to analyze and communicate industry insights effectively. Overall, Abdul Rahim's combination of technical knowledge, leadership experience, and strategic thinking make him a valuable candidate for a board member position.

Bio of Dr. Abdul Rahim:

Dr. Abdul Rahim currently works as the ecosystem manager at PhotonDelta. His role involves leading ecosystem and business development activities in Europe with the main objective of establishing the most innovative photonic IC ecosystems worldwide, by translating technical excellence into business success.

Abdul Rahim earned a double master's degree in photonics from the Royal Institute of Technology (Sweden) and Ghent University (Belgium) between 2006 and 2008. He also obtained a Dr.-ing. degree in electrical engineering from Technische Universitaet Berlin (Germany) in 2014. In 2015, he undertook short-term research positions at IHP (Germany) and Institut National de la Recherche Scientifique (Canada), and pursued a degree in innovation management from HEC Paris (France). Furthermore, Abdul Rahim has authored over 30 technical papers.

From 2015 to 2024, Abdul Rahim served as the program manager of ePIXfab, the European silicon photonics alliance, leading advocacy, workforce development, and roadmapping activities. He has also been the working group leader of the silicon photonics technical working group of Integrated Photonics Systems Roadmap since 2018. Abdul Rahim's contributions include co-authoring several white papers, such as a joint publication by Photonics21 and EPoSS on future research and innovation priorities in integrated photonics for Europe, as well as providing analysis of the global photonic IC landscape and recommendations for international cooperation for the International Cooperation in Semiconductor project. Currently, he is also contributing to the Photonics21 whitepaper on Photonics on 300 mm wafers.