



To Photonics21Secretariat
via eMail: secretariat@photonics21.org

Dear Photonics21 Secretariat

We herewith submit the nomination of the following Photonics21 Board of Stakeholders candidate
Photonics Systems Holding GmbH / Lutz Aschke

**- 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):

Photonics Systems Holding GmbH

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).)*

Photonics Systems Holding GmbH
Pionierstraße 6
82152 Krailling
Germany

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

Dr. Lutz Aschke

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

The Photonics Systems Group develops, manufactures and distributes high-precision equipment and process solutions for customer-specific laser applications in the photovoltaic, electronics and semiconductor industries worldwide. Photonics Systems Group is a leading innovator in laser processing of micromaterials. The company uses lasers and other photonic technologies for the manufacturing of products at the customer fabs.

Together with PSG's world-leading technology customers, PSG develops innovations in laser micromaterial processing. The machine solutions and process developments strengthen customers' market leadership and help them meet the challenges of the future. The machines from PSG significantly revolutionize the industrial world of tomorrow in semiconductor manufacturing, electronics and photovoltaics.

The Photonics Systems Group will contribute to the BoS by connecting technology and the industry using photonic technologies for high end products. The business at PSG has an industrial focus.

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

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

Lutz Aschke has more than 25 years background in photonics. His scientific background is plasma physics especially DUV optics, EUV light sources and laser fusion. During his academic career he worked as scientific assistant and teaching assistant at Ruhr-University Bochum and as freelancer at the Friedrich-Schiller-University, Jena. He was visiting scientist at the Lawrence Livermore National Laboratory, the Ruder-Boskovic-Institute and the university of Zagreb, the faculty of electrical engineering, university of Prague, the Max-Planck-Institute for quantum optics in Garching, the Max-Born-Institute for non linear optics and short time spectroscopy in Berlin and the institute for quantum optics of the university Hannover. He has further education in business management, total quality management, innovation management and environmental management and worked as working student at Siemens.

He held various management positions (mostly C-level) in large enterprises (Photonics Systems Group, Mahr, Trumpf, Schott) and in SMEs (Limo) as well as board functions in Start-Ups (e.g. quantum technology), technology Holdings (e.g. ultrafast lasers and other photonic devices), industry associations (e.g. micro- and nanotechnology, optics), institutes (e.g. Fraunhofer IPM) and advisory groups (e.g. German ministry of education and research). Until the end of 2014 he was active in Photonics21 as chair of WG 2 and therefore member of the EB and BoS. Since 2022 Lutz is president of Photonics21. So Lutz has a lot of experience in bringing technology, commercial needs and political aspects together.

The value add Lutz Aschke will bring to the BoS is a photonics-community minded approach to innovation meaning that technology is transformed into commercial success. The relevant indicator for this is money. The Photonics community creates value add and Photonics21 brings this community together and organizes the support from the political side for the investments that need to be done. Lutz will support the BoS with his experience in managing the interfaces between industry, academia and political players.