To Photonics21 Secretariat
via eMail: secretariat@photonics21.org

Dear Photonics21 Secretariat,

We herewith submit the nomination of the following Photonics21 Board of Stakeholders candidate ams-OSRAM International GmbH / Martin Strassburg.

- Letter of Nomination -
Photonics21 Board of Stakeholders
Election 2025

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

   ams-OSRAM International 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).)*

   ams-OSRAM International GmbH
   Leibnizstr. 4
   93055 Regensburg
   Germany

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

   Dr. Martin Strassburg

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]

The ams-OSRAM Group is a global leader in optical solutions. ams-OSRAM International GmbH, a subsidy of the ams-OSRAM Group is an independent legal entity headquartered in Ratisbona, Germany.
By adding intelligence to light and passion to innovation, we enrich people's lives. This is what we mean by Sensing is Life. With over 110 years of combined history, our core is defined by imagination, deep engineering expertise and the ability to provide global industrial capacity in sensor and light technologies. We create exciting innovations that enable our customers in the consumer, automotive, healthcare and industrial sectors maintain their competitive edge and drive innovation that meaningfully improves the quality of life in terms of health, safety and convenience, while reducing impact on the environment. ams OSRAM International GmbH employees focus on innovation across sensing, illumination and visualization to make journeys safer, medical diagnosis more accurate and daily moments in communication a richer experience. Our work creates technology for breakthrough applications, which is reflected in over 15,000 patents granted and applied.

ams-OSRAM International is one of the guiding lights both in technological development and in the manufacture of high-quality opto-electronic products. For more than four decades, our

[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.

high-tech company has been investing in research and developing new products on the technological cutting edge - enabling ams-OSRAM International to set international standards in the fields of illumination, visualization and sensor technology. The close interaction with Photonics21 has been developed over decades by active contributions including high-level management support in the BoS.

The expertise of ams-OSRAM International extends from basic semiconductor technologies to individual customer applications. The company produces top-quality solutions in various fields such as sensor technology and laser systems. With a focus on promoting future development, the company has been involved in high-caliber technology partnerships for many years, collaborating closely with partners from the commercial sector as well as with universities and colleges, which makes ams-OSRAM International one of the key players in the global optoelectronic semiconductor market today.

Therefore, we are confident, that Photonics21 will strongly benefit from our engagement in the board of stakeholders to promote and actively develop the new P21 strategy and set up. Our thorough knowledge of the entire value chain from materials, components and systems as well as end user requirements, will significantly support and drive the directionality of future photonic and integrated electronics technology to enhance peoples' daily life.

This is solely supported by ams-OSRAM International GmbH focus on consumer electronics, automotive manufacturers, digitization, industry and medical solutions. The focus of the company is sensing, illumination and visualization. ams-OSRAM International GmbH is member of the UN Global Compact, a CDP (Carbon Disclosure Project) member, and has conflict minerals and control of hazardous substance programs implemented.

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

Dr. Martin Strassburg, Ph.D. in experimental physics, is responsible for the innovation and technology cooperation in ams-OSRAM International GmbH. He has been leading the ams-OSRAM International activities in international and national funded projects acting as coordinator, technical director and work package leader. Today, he is director of the global public funding and the university collaboration activities in the ams-OSRAM International GmbH.

He achieved his Ph.D. in Semiconductor Physics at the Technical University of Berlin in 2002. From 2003 - 2005 he was awarded with the Feodor-Lynen-fellowship of the Humboldt-foundation enabling to pursue research on the development of group-III nitride materials for solid state lighting, high power electronics, solar cell and spintronics applications at Georgia Institute of Technology in Atlanta, USA. In 2005 he joined ams-OSRAM International GmbH (by that time OSRAM Opto Semiconductors) in Ratisbona, Germany. Since 2006 he was responsible for the Nitride MOVPE development in the Advanced Concepts & Engineering department. He became senior key expert in 2012. In the same year he additionally took over responsibility for the open innovation activities and since 2014 he is heading the technology innovation of ams-OSRAM International. In 2018, he became the director of this department. He became

the director of the global public funding and university collaboration activities of ams-OSRAM International GmbH in 2021.

He has more than 30 years' experience in academic and industrial research and development on opto-electronic materials and devices. He holds numerous patent families in this area (180+), co-authored more than 190 papers on material development for optoelectronic applications, and has given 40+ invited presentations at international conferences, symposia and workshops.

Since he joined ams-OSRAM International (by that time OSRAM Opto Semiconductors) in 2005, he drove the research activities by combining internal projects and collaborative efforts, bilaterally, domestic and on European level. He has headed the ams-OSRAM International GmbH contributions to the Photonics21 program for more than 10 years. In particular, he supported the activities of the P21 workgroups 4 and 7.

Furthermore, he actively supports the European R&D eco system for optoelectronics and adjacent branches and contributes to their future strategy, e.g. as board member of photonics associations like Advanced UV 4 Life and Photonics Austria. Since 2023 he has served as the deputy chair of the facilitation group of the IPCEI on microelectronics and communication technologies.

He is member of various scientific boards of RTOs and academic research societies (Leibniz-IKZ Ber-lin; GaNex and GaNexT initiative in France; PORT Wroclaw, Poland; EXPLORER program, Ireland; ec² Braunschweig, Germany, Fraunhofer EMFT, Munich, Germany) and supports the Bavarian Government in the Council for microelectronics and digitization since 2017. In 2021 he became the head of this council.

Based on his thorough knowledge of the photonics technology, and his profound insight into European photonic and microelectronic eco system, he will be a substantial benefit to the photonics 21 on their way to enhance their contribution to and their visibility in the European society.