



To Photonics21 Secretariat  
via eMail: [secretariat@photonics21.org](mailto:secretariat@photonics21.org)

Dear Photonics21 Secretariat,

We herewith submit the nomination of the following Photonics21 Board of Stakeholders candidate  
ficonTECs Service GmbH / Moritz Seyfried.

**- 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):**

ficonTEC Service 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).)*

Rehland 8  
28832 Achim  
Germany

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

Dr. Moritz Seyfried

**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<sup>1</sup>**

As a recognized leader in automated assembly and testing of photonic devices, ficonTEC can contribute significantly to Photonics21 by sharing its extensive experience and knowledge in high-precision automation and testing, such as automated assembly, die bonding, fiber alignment, and electrooptical wafer/die-level testing, by participating in working groups and technical committees.

FiconTEC's customer base ranges over different technological fields like datacom, LIDAR, Quantum Applications, medical applications and from fundamental research institutions to high-volume manufacturing. The insights gained by these daily interactions and technical discussions will allow ficonTEC to engage in standardization efforts and help establish best practices benefiting the entire photonics ecosystem.

This participation in standardization efforts will allow ficonTEC to implement these considerations directly into new machines designs and promote the concepts during discussions with customers. This will accelerate market adoption of new photonics guidelines, standards and technologies developed within Photonics21, driving the overall growth of the photonics industry.

---

<sup>1</sup> 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

As a Photonics21 member, ficonTEC, with more than a decade of experience in public collaboration projects, will advocate for policies and funding supporting photonics industry growth. By contributing to position papers and policy recommendations, ficonTEC can ensure the community's needs are represented at the European level.

Due to the strong market presence not only in Europe but also in US and Asia, ficonTEC can help disseminate Photonics21 project results and raise awareness about photonics technologies by participating in conferences, workshops, and public outreach activities, and publishing white papers and case studies.

In summary, ficonTEC can contribute to Photonics21 by sharing expertise, engaging in research, participating in standardization, fostering industry-academia partnerships, promoting sustainability, advocating for supportive policies, disseminating knowledge, and driving market adoption. This active participation supports Photonics21's goals and the growth of the European photonics industry.

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

After obtaining his PhD in semiconductor optics from the University in Bremen, Moritz Seyfried joined ficonTEC in 2012 where he setup an R&D team which he is leading to develop assembly and testing solutions to match to the next generation of optoelectronic device and module assembly.

With over 17 years of experience in the optoelectronic field and over a decade of experience in developing solutions for photonics assembly and testing, he gained lots of insights into industrial needs for the manufacturing of next generation photonics modules. The active participation in numerous European and national funded projects like PIXAPP, InPulse, Masstart, PhotonMed etc. and the presentation of development results on international conferences like Photonics West, OFC, ECOC lead to a strong connection and interaction with European research institutes and leading customers.

Besides this interaction in public projects which are facing developments for future needs, the direct interaction with our customers to fulfil their immediate needs for photonics testing and assembly solutions provides interesting insights which will be shared with the Photonics21 community.

Based on these insights, Moritz Seyfried is strongly involved in the development roadmap from ficonTEC defining the technological aspects as well as a time planning when the technologies need to be ready to be deployed on the market.

To summarize, Moritz Seyfried can help Photonics21 with the deep technical knowledge in optoelectronic assembly and testing, the knowledge about the future needs and trends as well as the connection to world leading research institutions and customers.