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

Dear Photonics21 Secretariat

We herewith submit the nomination of the following Photonics21 Board of Stakeholder candidate:
asphericon GmbH / Mr. Sven R. Kiontke

- Letter of Nomination -
Photonics21 Board of Stakeholders
Election 2020

§ 5 BOARD OF STAKEHOLDERS (6) b….A candidate nomination will always contain the name of the candidate organisation together with its proposed BoS Representative, and voting on a candidate implies voting on this combination.

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

asphericon 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 Service Fee. The Service Fee will be considered an asset of the Photonics 21 AISBL in accordance with its statutes (article 12,c).*

Stockholmer Str.9, 07747 Jena, Germany

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

Mr. Sven R. Kiontke

4. Information about the BoS candidate and the BoS representative

Extract Photonics21 Terms of Reference[1]: "§ 5 BOARD OF STAKEHOLDERS; …(6) Election of BoS Members: "Description of the activities of, and information about the added value and contribution to the BoS by both the nominated BoS member and the BoS Representative"

a) Description of the activities and information about the expected contribution and value added the nominated BoS member (candidates organization) will bring to the BoS[2]

Founded in 2001 at the international optics center in Jena, asphericon GmbH has developed into a worldwide specialist for aspheric lenses for use in a wide variety of optical applications. For the first time, the organization succeeded in developing an intelligent control system for computer-controlled CNC grinding and polishing machines, which allows aspheres of almost any shape and size to be produced mechanically and reproducibly at any time up to 50% faster than the competition. In essence, the concept of "Industry 4.0" has been lived with this patented control technology since the company was founded and has allowed asphericon GmbH to grow into one of the world's technology leaders in the production of aspheric components.

[1] Photonics21 Terms of reference are available at http://www.photonics21.org/download/general_inf/TermsOfReference/ETPPhotonics21TermsofReference.pdf

[2] The candidate is aware and accepts that according to the Photonics21 Terms of Reference a service agreement and a service fee invoice is to be signed / paid with the Photonics21 association.

The CNC technology for lens production, with the advantage of being able to machine larger diameters, achieve much higher accuracies and use a wide range of materials, is a development of the last 20 years. In the course of its relatively short company history, asphericon GmbH has helped determine the trend of technological development in this area of medium and high quality lenses and has achieved the greatest successes compared to its competitors. Its core competence is to use a proprietary control technology to enable time - and thus cost-saving production and, in combination with self-developed machining tools that are coordinated with the machine control system and by means of parallel measurement of the surface properties, to be able to produce precise aspheres of high desired surface quality and shape accuracy.

In addition to its internal R&D efforts, asphericon participates to a considerable extent in regional and supra-regional research cooperations. Together with various partners from the photonics industry, intensive research is carried out on new technological approaches, a wide variety of design issues, but also on new processes for processing surface shapes (e.g. freeforms). With this research contribution asphericon significantly supports the strengthening of the European photonics industry, promotes cooperation and technology exchange between research partners and thus consistently contributes to the strengthening of the European economic area.

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

Sven R. Kiontke is the founder and managing director of asphericon GmbH. With the development of a unique technology for the control and monitoring of CNC grinding and polishing machines, he has revolutionized the entire process of manufacturing aspheric components. Under his leadership, a start-up company became one of the world's technology leaders for aspheres within a few years. The company currently employs 175 people and supplies high-precision optics and optical systems to over 750 customers worldwide.

Mr. Kiontke has almost 20 years of management experience and is considered a proven optics expert. For 12 years he has been working in a leading position on the development of DIN ISO 10110. Among other things, DIN ISO 10110-19 was the first comprehensive compendium for the description of freeforms to be published. On this basis, technical drawings for both continuous and discontinuous surfaces can be correctly created and submitted for processing. Since January 2020 Mr. Kiontke has been appointed as chairman of the ISO/TC 172 Optics & Photonics.

In various research projects Mr. Kiontke acts in a leading position for strategic as well as operative questions, coordinates project agreements between the involved partner companies, manages the internal development work and is involved in project communication to the outside. In addition to his DIN activities, he is, for example, in the growth core "Freefrom Optics Plus (fo+)" as head of production engineering, making a significant contribution to the development of a technology platform and thus to the creation of a complete value-added chain for the manufacture of new types of optical systems based on freeform surfaces. The results of the project will represent a considerable expansion in the state of knowledge both scientifically and technically and, with the fundamental know-how gained, an innovative leap forward. The scientific and technological location for modern optics in Europe can thus be sustainably secured and further expanded.

As a member of various national, European and international organizations, Mr. Kiontke participates in the scientific exchange on current research questions and promotes the discourse through regular publications as well as lectures and presentations. His proven expertise makes him a frequently requested interview and discussion partner. Through regular exchange of ideas with colleagues and business partners, existing processes are optimised and new project ideas are created. Ultimately, Mr. Kiontke is a convincing mentor in the demand for and promotion of young skilled workers by actively participating in various internal and external events and projects.