



To Photonics21Secretariat  
via eMail: [secretariat@photonics21.org](mailto:secretariat@photonics21.org)

or via Mail:  
c/o VDI Technologiezentrum GmbH  
ST / QS  
Attn: Barbara Kehrer, Ursula Tober, Markus Wilkens  
VDI Platz 1  
40468 Düsseldorf  
Germany

Dear Photonics21 Secretariat

We herewith submit the nomination of the following Photonics21 Board of Stakeholder candidate (organization) / representative (person).

**- Letter of Nomination -  
Photonics21 Board of Stakeholders  
Election 2019**

## Photonics21 Board of Stakeholders - Letter of Nomination

**§ 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):**

Ekonomiska föreningen PhotonicSweden (in English economic association PhotonicSweden)  
Short name: PhotonicSweden

### **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).**

PhotonicSweden  
c/o RISE Acreo  
Box 1070  
164 25 Kista  
Sweden

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

**Staffan Tjörnhammar, management of PhotonicSweden**

### **4. Information about the BoS candidate and the BoS representative**

**Extract Photonics21 Terms of Reference<sup>1</sup>: “§ 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<sup>2</sup>**

PhotonicSweden (PS) is the Swedish national platform in photonics. It is an economic association and, as such, a legal entity. PS was founded in 2011 to merge and expand the activities of Swedoptronics, an association for companies, and the Swedish Optical Society (SOS). The operation

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<sup>1</sup> Photonics21 Terms of reference are available at

[http://www.photonics21.org/download/general\\_inf/TermsOfReference/ETPPhotonics21TermsOfReference.pdf](http://www.photonics21.org/download/general_inf/TermsOfReference/ETPPhotonics21TermsOfReference.pdf)

<sup>2</sup> 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.

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was successful and PS is today the portal and the voice of the Swedish Photonics and the prolonged arm of the Photonics PPP in Sweden. There are no Photonics regional clusters in Sweden and the dimension of the Swedish Photonics compares with that of a Photonics regional cluster in Germany, France or the UK. PhotonicSweden has today about 50 member organisations (80% companies) and about 140 personal members. These organisations represent a majority of the whole turnover-wise although our latest estimation is that there are more than 200 Swedish photonics companies. Further estimations are: 8000 employees working daily with photonics and an accumulated turnover of nearly 3 billion Euros, i.e. roughly 3 to 4 % of the European Photonics.

PS has been a partner of eight EU projects and six national projects since 2011. The activities of PS are largely defined by its projects and are to: a) catalyze fruitful cooperation between companies, universities, and institutes in the field of optics and photonics in Sweden and across the national borders. b) be a natural partner for Swedish and European funders and investors for product development and research. c) contribute to a healthy regrowth of engineers in optics and photonics. d) increase the awareness among the general public and politicians of the strategic importance of optics and photonics for the future of Sweden. So far remarkably inexistent, a basic public financing would help PS to expand and have more freedom to fulfill the needs of Swedish photonics companies.

In the BoS, PhotonicSweden will represent both its members and the numerous SMEs not necessarily member at present. PS is making sure that the voice of Swedish actors is heard in the Work Groups of the Photonics PPP. It is also strongly connected to many other Swedish organizations, in particular the strategic innovation programme "Smarter Electronic Components and Systems". It will also foster the cooperation between Photonics CSA projects and Pilot Lines as PS has got the mandate to do so from Photonics21 via the project Nextpho21. Finally, PS promotes the increased engagement of EU regions in Photonics in the BoS since the activities of the EPRISE project in this direction have been strategically extremely important.

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

Staffan Tjörnhammar is part of the management team at PhotonicSweden since 2018, with responsibilities including general management and contacts with authorities. Staffan has broad experience that includes research in laser physics, starting businesses and as a politician. He received his PhD in physics in 2015 from KTH (Stockholm), where he continued to work as a researcher in the laser physics group until 2018. As a researcher, he worked on several development projects together with leading Swedish photonics companies. Together with colleagues at KTH, he founded the company Svenska Laserfabriken AB in 2017. He has experience of working in EU projects, both as a researcher and at PhotonicSweden. On two occasions he already has replaced Pierre-Yves Fonjallaz as PhotonicSweden's representative at the Photonics21 Board of Stakeholders meeting. Staffan also has a political commitment with assignments at the municipal level. The political assignments have given him great insight into the political processes.

2019-	Chairman of the Campus Roslagen AB (municipal owned company).
2018-	PhotonicSweden management team.
2017-	Board member of Norrtälje Kommunhus AB (municipal owned company).
2017-	Member of the local authority. Municipal commissioner since 2018.
2017	Co-founder of the start-up company Svenska Laserfabriken AB.
2015-	Principal group of Roslagen Savings Bank.

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- 2015-2018 Researcher at KTH Royal Institute of Technology, Laserphysics Group.  
2010-2015 PhD in Applied Physics at KTH Royal Institute of Technology, title of the thesis: *Properties of Volume Bragg Gratings and Nonlinear Crystals for Laser Engineering* (ISBN: 978-91-7595-697-8).

### *Final information from the Photonics21 secretariat:*

- We recommend limiting the BoS nomination letter to 3-4 pages max.
- Letters of nominations can either be submitted
  - A) electronically ([secretariat@photonics21.org](mailto:secretariat@photonics21.org)) - **PREFERRED**
  - B) by post mail to:

VDI Technologiezentrum GmbH  
ST/QS  
B. Kehrer/ U. Tober/ M. Wilkens  
VDI-Platz 1  
40468 Düsseldorf  
Germany

*It is highly recommended to consult the Photonics21 Terms of Reference before submitting the nomination.*

- Please note that the deadline for providing BoS nominations to the Photonics21 Secretariat is the **21<sup>st</sup>. September 2019**. This is also valid for postal submission.