



Dear Photonics21 Secretariat

We herewith submit the nomination of the following Photonics21 Board of Stakeholder candidate
NTB Interstate University of Applied Sciences Buchs / representative Prof. Dr. Andreas Ettemeyer.

**- Letter of Nomination -
Photonics21 Board of Stakeholders
Election 2018**

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§ 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):

NTB Interstate University of Applied Sciences of Technology Buchs

2. Full contact details of the affiliation (street, postal code, country) nominated as BoS Member and invoice address (in case the candidate is elected, the affiliation needs to pay an annual service fee according the Photonics21 Terms of Reference §5 (10)):

**Werdenbergstrasse 4
9471 Buchs SG
Switzerland**

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

Prof. Dr.-Ing. Andreas Ettmeyer

4. Information about the BoS candidate and the BoS representative

Extract Photonics21 Terms of Reference¹: “§ 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 BoS²

½ - 1 page description suggested

NTB is a University of Applied Sciences and offers Bachelor courses in Systems Engineering with specializations in different directions – one of them is Photonics. Additionally, various master courses are offered.

With 400 students, NTB is completely dedicated to technical education and research. 40 professors and 120 scientific employees generate more than 50% of NTB's total budget in

¹ Photonics21 Terms of reference are available at https://www.photonics21.org/download/about-us/structure/ETP_Photonics21_Terms_of_Reference_C3.pdf?m=1513688127&?m=1499877714

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.

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the field of applied research in close cooperation with industries. This is the highest value in Switzerland and shows NTB's strong focus onto industry issues.

NTB is the central Photonics network place in Eastern Switzerland. The area is a center for Swiss vacuum and photonics technology. NTB professors organize regular meetings with Photonics community in various formats, e.g., bi-annual Photonics Roundtables, monthly Photonics Colloquia, annual research conferences (e.g. Optical Coatings for Laser Applications – OCLA), etc.

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

½ - 1 page description suggested

Andreas Ettemeyer studied mechanical Engineering at TU München and RWTH Aachen and graduated at University of Stuttgart in the field of holographic interferometry. In 1989 he started his own company pioneering speckle interferometry and laser shearography technologies for industrial applications in Automotive, Aerospace and Energy industries. In 2003 he sold the company to a Danish group and returned to academia. After 2 years as Professor at University of Applied Sciences Munich he became Professor for technical optics at NTB Buchs, Switzerland, then head of the institute for production metrology, materials and optics. Since 2015 he serves as Prorektor (vice president) at NTB and is responsible for Applied Research and Development of the whole university with a budget of 18 MioCHF.

Andreas Ettemeyer strongly influenced the photonics community in Switzerland by forming a networking platform in Eastern Switzerland between research and industry. One outcome of these activities was the formation of a new research institute for high end optical coatings in the area. Additionally, Andreas Ettemeyer carried out numerous research projects in the field of optical metrology and sensing in cooperation with industry. He is active in several Photonics organizations and member of different boards (e.g. advisory board of Swissphotonics, board of EOS (European Optical Society), board of SSOM (Swiss Society of Optics and Microscopy), etc. He is co-author of the "White Paper Photonics Switzerland" – a strategic recommendation for photonics research in Switzerland. He has also been active in several workgroups within Photonics21.

His aims to become a member of the BoS are:

- Work with and within the work groups and help to define the priorities of future photonics research within the European programs to meet future need of European society and economy.
- Help to increase the visibility of Photonics and improve impact of Photonics as key enabling technology within the European society.

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Final information from the Photonics21 secretariat:

- *We recommend limiting the BoS nomination letter to 3-4 pages max.*
- *Letters of nominations should be either submitted via the Photonics21 website*

<https://www.photonics21.org/bos-election/index.php>

or via e-mail to secretariat@photonics21.org.

- *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 **21st September 2018**.*