



Dear Photonics21 Secretariat

We herewith submit the nomination of the following Photonics21 Board of Stakeholder candidate
ERICSSON AB / Fabio Cavaliere.

**- 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):

ERICSSON AB, a limited liability company duly incorporated and existing under the laws of Sweden, having with organization number 556056 6258 and having address Torshamnsgatan 21-23 164 80 Stockholm, Sweden.

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)):

Fabio Cavaliere
Via Moruzzi 1 c/o CNR, Ericsson
56124 Pisa (Italy)
Email: fabio.cavaliere@ericsson.com

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

Fabio Cavaliere

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

ERICSSON AB is one of the leading providers of Information and Communication Technology (ICT) to service providers, with about 40% of the world's mobile traffic carried through our networks. We enable the full value of connectivity by creating game-changing technology and services that are easy to use, adopt and scale, making our customers successful in a fully connected world. For more than 140 years, our ideas, technology and people have changed the world: real turning points that have transformed lives, industries and society as a whole.

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

Fabio Cavaliere represents Ericsson in the Board of Stakeholders of Photonics21 since 2014. During these years, he actively contributed to the definition of the European Strategic Research Agenda for the photonic technologies, with focus on information and communications applications, and to the prioritization process of related research and innovation actions.

In October 2016 he was appointed in the High-Level Steering Committee of the Quantum Flagship, having the responsibility to propose research agenda, governance and implementation setup of the Flagship. This experience places him in a preferential position to understand how to exploit the synergies and synchronize the research programs of Photonics21 and Quantum Flagship.

Thanks to his research activity on photonics for 5G, witnessed by his role as working package leader in the H2020 project 5G-Crosshaul, he could also contribute to the definition of optical transport related research and innovation actions in the 5G PPP.

Fabio Cavaliere owns in Ericsson the responsibility of the standardization of optical transmission systems and is editor of the ITU-T Recommendation G.698.4 (ex G.metro).

During his 20 years of professional experience in optical transport, his activity encompassed mobile fronthaul and backhaul networks, fixed fiber access, WDM systems, 100 Gbit/s and beyond optical transmission, and integrated photonics.

As recognition of this expertise, he was part of organizing and technical program committees of reputed workshops and conferences on photonics, such as ECOC 2018 in Rome.

Fabio Cavaliere is author of 124 filed patent applications and more than 60 publications on optical communication systems.

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**.

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