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

Dear Photonics21 Secretariat

We herewith submit the nomination of the following Photonics21 Board of Stakeholder candidate Huawei / Yvan Pointurier.

- Letter of Nomination -
Photonics21 Board of Stakeholders
Election 2020

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):**

   Huawei Technologies France SASU

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).*

Huawei Technologies France SASU
18 quai du point du jour
92100 Boulogne-Billancourt
France

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

Dr. Yvan Pointurier, yvan.pointurier@huawei.com

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 (candidates organization) will bring to the BoS

Huawei is a leading global information and communications technology (ICT) solutions provider. Its products and solutions are deployed in over 170 countries, supporting the communication needs of one-third of the world's population. Huawei offers the most complete telecom product portfolio in the industry to customers in Europe and worldwide. Huawei's 190,000+ employees are committed to meeting the needs of telecom carriers, enterprises and consumers by providing competitive end-to-end ICT solutions and services. Founded in 1987, Huawei is a private company fully owned by its employees.

In Europe, Huawei has currently over 13000 employees, some 2 400 of these work in highly skilled jobs, dedicated entirely to research, development and innovation, cooperating across the continent with more than 100 academic and research partners, investing over 75MEuros each year in partnerships. European R&D facilities sites span across Europe (Belgium, Finland, France, Germany, Ireland, Italy, Sweden and the UK) and cover several ICT related research areas such as fixed, optical, future networks, photonic components, standard development, and wireless.

Huawei is active in all fields of optical telecommunications: silicon photonics devices, optical subsystems including transponders and routing equipment, short- and long-reach transmission systems, control and management planes, network design and architecture. In Europe, research in those fields is conducted in Munich and Paris.

With strong research credentials in Europe, with academic collaborations in its DNA (WG7) and activities spanning the whole spectrum of optical communications, from components (WG2) to optical networks (WG1), Huawei is very well positioned to contribute towards building the European research agenda together with the other stakeholders.

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

Yvan Pointurier received the Ph.D. degree from the University of Virginia (USA) in 2006. After academic postdocs at McGill (Canada) and AIT (Greece), Yvan spent 10 years at Alcatel-Lucent/Nokia Bell Labs (France) as a Research Engineer and Manager, working on circuit and optical packet switched networks, with activities ranging:

- from silicon photonics components and physical layer modeling to planning algorithms,
- from short-reach datacenter links and Industry 4.0 networks, to metro and long haul networks.
- from transmission-oriented activities to Edge Cloud network design and orchestration for 5G.

Yvan then joined Huawei as a research team leader on AI for optical networking in January 2020. He has authored or coauthored more than 20 European and U.S. patents and more than 100 technical papers, several of them top-scored. He received the Harm Dorren Commemoration Award at ECOC 2015, the Best Paper Award at the IEEE ICC in 2006 and an IEEE Communication Letters Exemplary Reviewer Award from 2014 to 2016 (top 3% of the reviewers). He is an Associate Editor for the IEEE/OSA Journal of Optical Communications and Networking and a Technical Program Committee (TPC) member for Globecom since 2015 and OFC since 2019, and ICC between 2008-2017.

Yvan has extensive experience with collaborative projects; he served as the national coordinator for the CELTIC+ SASER-SAVENET (2012-2015) and SENDATE-TANDEM (2016-2019) projects, both with budget exceeding 10 M€. He was the technical leader for FP7 DICONET (2008-2010) and contributed to FP7 ALPHA (2008-2011) and H2020 ORCHESTRA (2015-2018), which he helped launch.

Yvan brings close to 2 decades of experience in networking with a large breadth of technical activities and extensive knowledge of both academia and industry.

In Photonics21, Yvan contributed to the WG1 roadmap presented to the EC in Brussels by his mentor and WG1 chair, Dr. Bigo in 2019. He has also actively liaised with Networld2020, contributing to the Strategic Research and Innovation Agenda in 2020. His goal is to contribute to the priorities of the European Commission funding strategy with a focus on key components (WG6) for optical telecommunication transmission systems and networking (WG1), with an emphasis on academic-industry collaboration (WG7).