



Dear Photonics21 Secretariat

We herewith submit the nomination of the following Photonics21 Board of Stakeholder candidate European Machine Vision Association (EMVA) / Dr.-Ing. Dirk Berndt (member of the Executive Board-of-Directors of the European Machine Vision Association EMVA).

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

## 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):**

EMVA European Machine Vision Association

**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)):**

Gran Vía de Carles III 84 (planta 3ª), 08028 Barcelona, Spain

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

Dr.-Ing. Dirk Berndt

**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>**

The European Machine Vision Association EMVA is a non-for-profit and non-commercial association representing the Machine Vision industry in Europe. The association has been founded in 2003 in Barcelona by industry representatives from all over Europe as a network to promote the development and use of machine vision technology.

EMVA is a member-owned association. Any legal entity which so desires and whose activity is directly or indirectly related to machine vision may become a member of the association. Today EMVA has more than 120 members from all types of organizations having a stake in machine vision, computer vision, embedded vision or imaging technologies: manufacturers, system and machine builders, integrators, distributors, consultancies, research organizations and academia. All members – as the 100% owners of the association – benefit from the networking, cooperation and the numerous and diverse activities of the EMVA.

The expected contribution and value added the European Machine Vision Association EMVA will bring to the Board of Stakeholders:

1. The candidates organization EMVA aims to bring its network of technology developers, system integrators, end users, research institutions and universities in the field of indus-

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<sup>1</sup> 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](https://www.photonics21.org/download/about-us/structure/ETP_Photonics21_Terms_of_Reference_C3.pdf?m=1513688127&?m=1499877714)

<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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trial image processing in Europe into the European Technology Platform Photonics21 and network with its members. This raises the potential that a new innovative quality of Photonics research in Europe can be achieved.

2. The candidates organization EMVA maintain contacts and provide a channel of communication between members of EMVA and the European Technology Platform Photonics21.
3. The candidates organization EMVA will help to promote the efficiency and market visibility of the European Technology Platform Photonics21 and its member companies.
4. The candidates organization EMVA will establish recommendations about standards with regard to their relevance on European level. Standardization is highly relevant to any industry, and none more so than the relatively complex and globally distributed Machine Vision industry. Our approach is based on the following principles: Industry-driven, Openness, Transparency, Fairness.
5. The candidates organization EMVA will organise conferences in close cooperation to the European Technology Platform Photonics21. Our main goal with these events is to inform stakeholders from all areas about machine vision market developments, latest technical achievements, standardization initiatives, and academic and research activities.

### **b) Description of the activities and information about expected contribution and value added the BoS Representative (Dr.-Ing. Dirk Berndt) will bring to the BoS.**

Dr.-Ing. Dirk Berndt has been working at the Fraunhofer Institute for Factory Operation and Automation IFF in Magdeburg, Germany, for over 25 years. Dr. Berndt has been working as a department manager since 1998. After receiving his PhD in 2008 he took over the position of a business manager in the field of measuring and testing technology. He has been responsible for projects with industrial customers in many different areas, mainly focused however on optical three-dimensional measuring and testing systems which are directly integrated in the production process.

Always having been a networker, Dirk Berndt also represents the Fraunhofer Vision Alliance, a network within the Fraunhofer Society consisting of 15 institutes and more than 500 scientists, where he has been a member of the professional advisory board since 2010. His main activity there is to ensure the cooperation between the Fraunhofer members but also bring in new ideas and research initiatives. The Fraunhofer Vision Alliance is supported by an Advisory Council, whose expertise ensures a clear focus on relevant market trends and activities. The Council consists of honorary representatives from the industry, associations and scientific institutions: Aircraft Industry, Automotive, Automotive Suppliers, Universities, Optic and Optoelectronic Industries. Further, the Fraunhofer Vision Alliance is further complimented by an even wider network of related companies and scientific institutions from Austria and Germany. These Partners participate in regular professional exchange giving impetus to joint innovative developments.

These activities are now to be widened to a European level with it's consequence to become EMVA member in 2018 and member of the Board of Directors of the EMVA.

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### Mission Statement:

“As a Board of Stakeholder (BoS) Representative I would like to focus on topics related to research and development in the field of machine vision, image processing and other methods of optical inspection. I consider it as our common goal bringing together European research institutes and facilities on a European level. As a representative of the Applied Research and Development and Member of the EMVA Executive Board of Directors I also want to work on increasing the cooperation between research institutes and companies in order to strengthen the European industry and competitiveness on the world market. In this context, another key issue is the establishment of a European research program for machine vision technologies of the future.”