



Dear Photonics21 Secretariat

We herewith submit the nomination of the following Photonics21 Board of Stakeholder candidate
Precitec Optronik GmbH / Dr. Markus Kogel-Hollacher.

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

Photonics21 Board of Stakeholders - Letter of Nomination

1. Full legal name of the affiliation nominated as BoS Member (candidate's organisation):

Precitec Optronik GmbH

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)):

Schleussnerstrasse 54, 63263 Neu-Isenburg, Germany

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

Dr. Markus Kogel-Hollacher

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

Precitec Optronik GmbH, founded in 1982, is a leading manufacturer and provider of non-contact measurement technology. The company has gained international reputation for being an expert and partner in providing highly reliable, innovative sensors and complete measurement systems according to customer requirements in the areas of metrology, laser materials processing and medical technology.

Strong own R&D activities and continuous partnership with research institutes, universities and our customers over decades is the basis for leading-edge technology in photonics industry, covering distance and thickness measurement in nanometer scale as well as quality and process control. Supported by various patents thus results in a high level of competence.

In the near past Precitec Optronik GmbH was in the headlines as inventor of implementing OCT technology as new sensor device in laser materials processing applications, starting from keyhole depth control in cw laser welding to in-situ high resolution topography measurement in surface modification with ultra short pulsed (USP) lasers.

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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Precitec Optronik GmbH is founding member of Photonics21 and has been partner in numerous collaborative projects since FP4 with the intention to strengthen the European photonics industry, promoting cooperation and technological exchange between research partners, and thus contributes consistently to boosting the European Economic Area for more than 35 years.

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

Markus Kogel-Hollacher began his activities in the laser industry working for his MS degree at the Fraunhofer Institute for Laser Technology in 1994. Since then the focus of his work is in the field of monitoring and control of laser processes.

After earning his MS degree in physics in 1996 from the RWTH Aachen University in Germany he joined Precitec Optronik GmbH in Neu-Isenburg, Germany continuing the work with the emphasis on transferring R&D results to industrial solutions. This work has been discussed extensively in several technical journals and presented in various conferences.

In his position as head of the department R&D projects in the Precitec Group he oversees national and international governmentally funded projects. The number of collaborative projects Dr. Kogel-Hollacher managed for Precitec add up to about 50. Working together with RTD performers and end users his guiding principle is to continuously increase the reliability and the use of process monitoring and process control devices in laser materials processing.

In 2008 he obtained his Ph.D. at the Technical University of Berlin, Germany. Dr. Kogel-Hollacher actually is a member of the board of directors of the LIA and recently has served as jury member of the Innovation Award Laser Technology. With his own inventions he himself received 3rd place at the Innovation Award Laser Technology 2012 and the 2nd place in 2014.

In the Board of Stakeholders Dr. Kogel-Hollacher will actively contribute to strengthen the leading role of the photonics industry in Europe.

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

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the nomination.

- *Please note that the deadline for providing BoS nominations to the Photonics21 Secretariat is the **21st September 2018.***