



To Photonics21Secretariat  
via eMail: [secretariat@photonics21.org](mailto:secretariat@photonics21.org)

or via Mail:  
c/o VDI Technologiezentrum GmbH  
ST / QS  
Attn: Barbara Kehrler, Ursula Tober, Markus Wilkens  
VDI Platz 1  
40468 Düsseldorf  
Germany

Dear Photonics21 Secretariat

We herewith submit the nomination of the following Photonics21 Board of Stakeholder candidate:  
3D-Micromac AG, Chemnitz, Germany / representative: Tino Petsch.

**- Letter of Nomination -  
Photonics21 Board of Stakeholders  
Election 2019**

## 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):**

3D-Micromac AG

**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).*

Technologie Campus 8, 09126 Chemnitz, Germany

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

Tino Petsch

**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”*

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<sup>1</sup> Photonics21 Terms of reference are available at  
[http://www.photonics21.org/download/general\\_inf/TermsOfReference/ETPPhotonics21TermsofReference.pdf](http://www.photonics21.org/download/general_inf/TermsOfReference/ETPPhotonics21TermsofReference.pdf)

## Photonics21 Board of Stakeholders - Letter of Nomination

- 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>

3D-Micromac is the leading specialist in laser micromachining. Our team of experts develops processes, machinery and complete systems at the highest technical and technological level. 3D-Micromac systems have been successfully implemented worldwide in photovoltaic, semiconductor, glass and display industries, micro diagnostics, medical technology, and other high-tech industries. Our target is to completely satisfy customer demands even on the most complex projects. 3D-Micromac adheres to high-performance and future oriented processes at high production efficiency. Our technologies have set international standards for true innovation. Since we place great importance on continually expanding our know-how, we are diligent about keeping up with the latest research. On a daily basis, we combine recent results with our customers' demands to realize them in practice.

### Key Facts:

- Foundation in 2002
- ~ 170 employees
- ~ 500 laser systems sold

### Core competency:

- Laser micromachining systems
- Utilization of ultra-short pulse laser and excimer laser sources
- Roll-to-roll processing of flexible substrates

### Facilities:

- Headquarter in Chemnitz, Germany
- Customer application center and contract manufacturing
- Production area of 4450 m<sup>2</sup>
- Branch offices in San Jose, CA and Wuxi, China
- Worldwide sales and service network

### Awards (selection):

- 2018: TÜV Innovation Prize
- 2015: Solar Industry Award
- 2011: SPIE Green Photonics Award
- 2011: Taiwan Laser Application Excellence Award
- 2007: Saxon Innovation Prize

The company also promotes knowledge transfer projects between universities and Industry, for example, supporting the initiative "Knowledge Creates Work" of the TU Chemnitz and an endowed professorship at the laser institute of the university Mittweida.

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<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.

## Photonics21 Board of Stakeholders - Letter of Nomination

The 3D-Micromac AG is a member of the associations Organic Electronics Saxony (OES) and Silicon Saxony, with the aim of strengthening Saxony as a location for the future-oriented organic electronics and semiconductor Industry.

The social commitment of the company will continue through the sponsorship of a Children's football team, the Chemnitz women's basketball team "Chemcats", of the internationally successful cycling team "Team 2012" as well as sport projects of the own employees proved.

Therefore we expect that 3D-Micromac as a highly innovative SME in the field of photonics could be a useful reinforcement of the European Technology Platform Photonics21

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

Tino Petsch,

CEO and founder of 3D-Micromac AG, responsible there for:

- Strategic company development
- Investment management
- Investor relations
- Quality management

Since 1990, Tino Petsch has founded and headed various information and laser technology companies.

In 2002, he founded 3D-Micromac AG, which he has headed as CEO and principal shareholder. 3D-Micromac AG is the leading specialist for laser micromachining.

Furthermore Tino Petsch is Chairman of the Board of Trustees of the Mittelsachsen Laser Institut, member of the Board of Trustees of the Fraunhofer Institute for Organic Electronics, Electron Beam and Plasma Technology (FEP), member of the Board of Trustees of the Fraunhofer Institute for the Microstructure of Materials and Systems (IMWS), and member of the Scientific Advisory Board at the Leibniz Institute of Surface Modification (IOM).

In 2012 Tino Petsch was awarded as Saxony's Entrepreneur of the Year.

Tino Petsch is the author of a large number of national and international publications and has been involved in numerous patent applications.

In the function as BoS Representative, Tino Petsch could effectively strengthen the Photonics 21 organization with his extensive knowledge in the field of optics and laser technologies as well as with his very successful activities as entrepreneur in the Saxon Chemnitz.

## Photonics21 Board of Stakeholders - Letter of Nomination

### *Final information from the Photonics21 secretariat:*

- We recommend limiting the BoS nomination letter to 3-4 pages max.
- Letters of nominations can either be submitted
  - A) electronically ([secretariat@photonics21.org](mailto:secretariat@photonics21.org)) - **PREFERRED**
  - B) by post mail to:

VDI Technologiezentrum GmbH  
ST/QS  
B. Kehrler/ U. Tober/ M. Wilkens  
VDI-Platz 1  
40468 Düsseldorf  
Germany

*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 **21<sup>st</sup>. September 2019**. This is also valid for postal submission.