



To Photonics21Secretariat
via eMail: secretariat@photonics21.org

Dear Photonics21 Secretariat

We herewith submit the nomination of the following Photonics21 Board of Stakeholder candidate:
LASEA SA / representative: Dr. Jose Antonio Ramos de Campos.

**- Letter of Nomination -
Photonics21 Board of Stakeholders
Election 2020**

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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):

LASEA SA

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).*

LASEA SA
Liège Science Park
Rue des Chasseurs Ardennais 10
B-4031 Angleur
Belgium

*Same address for invoices.
VAT number: BE0465268616*

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

Dr. José Antonio Ramos de Campos

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

Created in 1999, LASEA is a high-tech Belgian SME which has a unique expertise in the design, manufacture and use of laser systems for industrial purposes. More specifically, LASEA offers cutting edge laser solutions capable of responding to the needs of companies whose

¹ Photonics21 Terms of reference are available at

http://www.photonics21.org/download/general_inf/TermsOfReference/ETPPhotonics21TermsOfReference.pdf

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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production lines include micromanufacturing, plastic and hybrid metal-plastic welding, marking, and surface treatments.

Its laser products and services are: laser workstations, turn-key machines, OEM systems, expertise and prototype development. Equipped with a broad range of laser sources, robots, as well as various measurements systems, LASEA can develop and validate its new process and systems before industrial integration.

LASEA's main facilities are in the Liège Science Park allowing it to have strong partnership with regional Universities and the Space Centre. LASEA also has facilities in France, Switzerland, and the United States. With presently more than 80 people, LASEA has manufactured laser production lines all over the world (Europe, US, Australia ...). Certified ISO9001:2008, LASEA has 11 families of published patents in the field of laser processing. For example, LASEA has developed since 1999 a method for locally removing a coat applied on a translucent or transparent substrate (patent EP1263538).

LASEA has very recently purchased the majority shares of the OPTEC company, one of the historic leaders in micro-machining laser systems. Thanks to this merge, the Belgian group based in Wallonia, has achieved a critical size on the world stage. With more than 110 employees in 4 countries, more than 1000 systems installed on 5 continents and counting several clients who are giants in the Luxury Goods, Medical and Electronics industries and the most prestigious Universities, it confirms its strategic position as one of the European Leaders in micromachining applications.

LASEA is very active in participating in collaborative R&D projects both at the European and regional level. For example, at European level, LASEA recently participated in projects: FP7 PMJoin and LASHARE, Horizon2020 HIPERDIAS and POLAROLL, MANUNET DECOAT or EURO-STARS HYBRID. And it still develops activity in a few others in Horizon 2020 like for example: LASER4SURF, ESSIALL, LAMPAS, MULTIPOINT, MULTIFLEX or PHABULOUS. Mainly related to the transformation or functionalization of surfaces and the development and application of high power ultra-short pulsed lasers.

LASEA as a PME of high technological level, with a very wide experience in the development and application of laser technology, with a high level of expertise in micro-processing with ultrashort pulsed lasers, and knowledge of the main application markets, can provide a valuable contribution to the BoS activity of Photonics 21.

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

Jose Antonio Ramos is passionate about lasers and their applications from the first knowledge of them. With a deep training in optics, he has developed an extensive professional activity of almost 30 years in laser material processing and its applications.

Jose Antonio Ramos is the R&D Director of LASEA since 2013. Before he worked in a Technological Centre devoted to Industrial Optics, in Valencia, Spain, for more than 20 years managing the activity related to Industrial Lasers Applications. Once he joined LASEA, he has taken over the creation and consolidation of the activity of the LASEA R&D Department. He is au-

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thor and co-author of more than 30 publications and contributions to workshops and has been involved in numerous patent applications.

He studied Physics at the University of Valencia, Spain, where he graduated in 1991. He got the Degree on European Laser Engineer by the Technical University of Wien (Euro-Laser Academy) in 1996. He got the Master of Science degree on Photonics by the University of Valencia in 1999, and the PhD on Physics by the same University in 2012, working on the topic of High Power Laser Beams Characterization, in parallel to his professional activity.

Jose Antonio Ramos has always tried to promote Laser Technology being involved in training, dissemination and standardization activities, coordinating, for example, the Spanish National Workshop of Laser Materials Processing, being the Secretary of the Spanish National Comity of Standardization on Lasers or coordinating the Spanish National Network of Lasers before its fusion with the Spanish National Platform on Photonics, "Fotónica 21". He has been also active in the WG2 of Photonics 21 since its creation, and member of the BoS since 2016.

Jose Antonio Ramos can provide a valuable contribution thanks to his years of experience working in the field of industrial laser applications and knowing the academic, technological and industrial points of view. His aims to renew his participation in the BoS are:

- To help to define the priorities of future photonics research within the European programs, according to societal needs.
- Provide the perspective of an industrial partner, representing LASEA, with extensive knowledge of the lasers micromanufacturing markets.
- To help to increase the impact of Photonics as a key enabling technology at all levels.

Final information from the Photonics21 secretariat:

- *We recommend limiting the BoS nomination letter to 3-4 pages max.*
- *Letters of nominations should be submitted electronically 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 **25th August 2020**.*