



To Photonics21 Secretariat  
via eMail: [secretariat@photonics21.org](mailto:secretariat@photonics21.org)

Dear Photonics21 Secretariat,

We herewith submit the nomination of the following Photonics21 Board of Stakeholders candidate  
Institut Photonique / Marc Sciamanna.

**- Letter of Nomination -  
Photonics21 Board of Stakeholders  
Election 2025**

## Photonics21 Board of Stakeholders - Letter of Nomination

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

Institut Photonique

### 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 Membership Fee. The Fee will be considered an asset of the Photonics 21 AISBL in accordance with its statutes (article 12b).)*

CentraleSupélec – Institut Photonique  
2 rue Edouard Belin  
57070 Metz  
France

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

Marc Sciamanna

### 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 (candidate's organisation) will bring to the BoS<sup>1</sup>

**Institut Photonique** is a centre of excellence for the future of innovation and research. This ambitious project was officially launched in 2024 and is the fruit of a joint effort from public and private actors of the Grand Est region and Luxembourg. This project is supported by major institutions of higher education such as CentraleSupélec, Université de Lorraine, the University of Technology of Troyes, the University of Strasbourg, the Université de Haute-Alsace, University of Luxembourg; participants in innovation such as SAYENS and Grand Est Développement, the large company GDI Simulation, the regional council of the Grand Est, the Moselle département and the Eurométropole de Metz.

Institut Photonique was thought out as a catalyst for innovation, gathering more than 300 researchers and students around photonics within the 6 universities that are part of the consortium. Based on its founders' expertise, the institute is committed to carrying out research projects, encouraging transfer of technology and drawing in new talents. Last but not least, by emphasising education and dissemination, Institut Photonique aims at giving rise to vocations and at strengthening competitiveness in the field. The Institut Photonique is the first of its kind in France and Luxembourg and ambitions to become a reference for education, training, innovation and research excellence in photonics.

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<sup>1</sup> The candidate is aware and accepts that according to the Photonics21 Terms of Reference (§ 5 (10) a membership fee - as determined by the General Assembly of the Association - needs to be paid to the Photonics21 association.

## Photonics21 Board of Stakeholders - Letter of Nomination

Institut Photonique is administratively coordinated by CentraleSupélec, a leading institution within the Paris-Saclay University and one of Europe's foremost engineering schools, committed to advancing the European photonics ecosystem. Through world-class research in photonics, optics, quantum technologies, optical communications, and materials science, CentraleSupélec contributes directly to the scientific and technological priorities set out by Photonics21.

CentraleSupélec plays a pivotal role in shaping the next generation of highly skilled engineers, researchers, and innovators. With dedicated programs that integrate technical excellence, interdisciplinary expertise, and entrepreneurial training, CentraleSupélec strengthens Europe's talent pipeline and supports the translation of photonics research into industrial and societal impact. CentraleSupélec maintains strong partnerships with leading global and European industries across telecommunications, aerospace, healthcare, energy, and manufacturing. This position at the crossroads of academia and industry enables the school to foster technology transfer, incubate startups, and accelerate innovation aligned with Europe's strategic objectives. At a national level, CentraleSupélec has launched in 2016 the Chair in Photonics on its Metz Campus, and since 2024 coordinates the "Institut Photonique" which is the largest consortium of public and private contributors to photonics research, education and innovation in France.

By combining research excellence, talent development, and innovation leadership, the Institut Photonique and its founding members stand as strategic partners for Photonics21. Our commitment is to secure Europe's sovereignty in key enabling technologies and drive sustainable solutions through photonics. Its goal is to become a reference in photonics in Europe and to explore the various practical applications of light in different sectors, ranging from health to energy.

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

Marc Sciamanna is a Professor, Chair in Photonics, Deputy Head of the Laboratory on Optical Materials and Photonic Systems (LMOPS) and since 2024 director of the "Institut Photonique" at CentraleSupélec.

As an established researcher with a strong publication record and coordination of major European and national projects, Marc Sciamanna will bring to Photonics21 board of stakeholders and community leadership in scientific and industrial projects, research excellence, and international engagement. His leadership has been recognized by several prizes and awards including the IEEE Photonics Distinguished Lecturer Award in 2017 and the MIT TR35 award in 2007. The MIT TR35 is one of the most prestigious early-career technology innovation awards worldwide, spotlighting young leaders shaping the future.

His expertise in laser physics and applications, nonlinear optics, and photonic computing directly contribute to advancing Photonics21's strategic roadmap in next-generation core

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photonics technologies and innovative materials. His work bridges fundamental science with applied innovation, contributing to applications in optical communications, secure networks, quantum technologies, and advanced manufacturing. He offers proven experience in driving collaborative research initiatives across academia and industry.

Beyond research, Marc Sciamanna plays an active role in training and mentoring the next generation of photonics scientists and engineers. His engagement in the European and international photonics community will help fostering cross-border collaborations, strengthening partnerships with industry, and therefore shaping European policy recommendations for photonics education and industrial training programs.

Being the director of the “Institut Photonique”, Marc Sciamanna will communicate about the news, events and working group activities of Photonics21 towards its founding members, students and affiliate industrial members; hence encouraging the involvement of a larger number of researchers and industrials to the Photonics21 strategic actions.