



PHOTONICS PUBLIC PRIVATE PARTNERSHIP



Opening of the Photonics Event by PhotonicsNL

Program June 1st starting at 10:50h, Beneluxzaal

The rise of photonics in Europe from a niche activity to a Key Enabling Technology, and on to becoming one of the most important industries for the future, shows how photonics is on its path to making the 21st century that of the photon. The European Commission (EC) has appointed Photonics as a Key Enabling Technology (KET). Photonics will lead to new entrepreneurship, new captivating jobs for young people and finally strengthen the European economy. To stimulate this development the EC supports all kind of initiatives on regional, national and European level.

During the morning program we like to inform you about those initiatives and the so called CSA-projects. CSA stands for Coordinated Support Actions. These projects are initiated by the European Commission as part of the Horizon-2020 program and aim to create more awareness of Photonics as KET and stimulate the collaboration between companies and knowledge institutes all over Europe.

On European level our Technology Platform Photonics21 represents the photonics community of industry and research organisations. The members develop a common photonics strategy for future research and innovation in Europe. Photonics21 has more than 2500 members. You can find any further details on Photonics21 and its structure on the [Photonics21](#) website.

The Dutch government has defined nine topsectors. Through our top sectors, we are stepping up our efforts in areas that show major growth potential and in which we are already achieving solid results. The most important topsectors where Photonics plays an enabling role are High Tech Systems & Materials, Energy, Health & Life Sciences, Horticulture and Agro & Food. Especially in these sectors Photonics will be the enabling technology leading to new innovative products for lighting, diagnostics, quality and safety monitoring.

The Netherlands is involved in several CSA-projects like [Photonics4all](#), Actphast, Europho21, Oasis and *last but not least* PICs4all coordinated by Jeppix and the Eindhoven University of Technology. An impressive example of a strong regional development in the Netherlands is the PhotonDelta platform which aims to stimulate the collaboration between companies in the developing and fabrication of Photonic IC's (PIC's) in the complete value chain. Please visit the [PhotonDelta](#) website for more information.

We will end the morning program with a presentation of the Dutch company [Technobis](#) that will show you some innovative applications of PIC's for sensing applications. This presentation will be a perfect intermediate to the workshop in the afternoon.

Holland High Tech
High Tech Solutions for Global Challenges



Presenting



Pitches



Workshop Integrated Photonics for Sensing

Program June 1st starting at 14:20h, Beneluxzaal

In the afternoon PhotronicsNL will organize the workshop Integrated Photonics for Sensing Applications together with our partner JePPIX in Eindhoven. JePPIX assists organizations around the globe to get access to advanced fabrication facilities for Photonic Integrated Circuits (PIC). The prediction is that the development and application of PIC's will be as revolutionary as the development and application of Electronic IC's in the past thirty years. Especially the impact in ICT-applications will be enormous when energy consuming electronic IC's in data-centers will be replaced by much less energy consuming and much faster PIC's. Please visit the JePPIX website for more information.

This workshop will be an excellent opportunity to get more acquainted with this disruptive technology in general and in this case PIC's for Sensing Applications. Imagine yourself, a complete Optical Spectrometer on a chip!

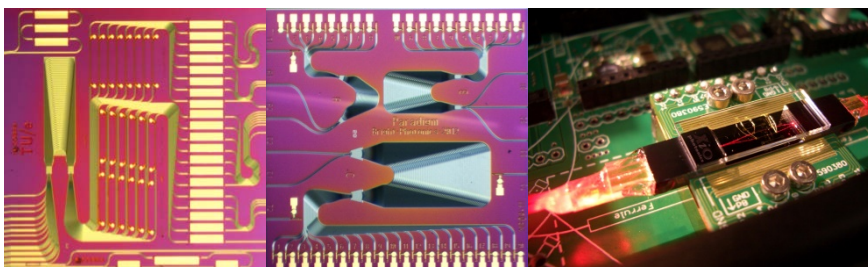
The prime objective of the CSA-project PICs4All (started in January 2016) is to increase the impact of photonics and enable access to the advanced photonic integrated circuit (PIC) technologies for academia, research institutes, SMEs and larger companies. Jeppix is the coordinator of the project.

Another CSA-project that started in 2013 already is Actphast. Actphast can give you access to a network of over 200 top photonics experts and the state-of-art technology platforms from leading European research institutes. We make life easier by matching you with the best experts to your specific needs, managing a lot of the paperwork for you, and subsidizing the project. We focus on innovation projects which can be completed quickly in 6-9 months and can result in accelerated readiness of strong new products for market launch. A close collaboration between Actphast and PICs4All is obvious!

The workshop will end with pitches from companies that play an important role in the whole value chain from development, design, fabrication, testing, packaging and applications of PIC's.

Your contacts: Katarzyna Lawniczuk, Jeppix, k.lawniczuk@tue.nl
Guus Taminiau, PhotronicsNL, guus.taminiau@photronicsnl.org

You can subscribe for the workshop on forehand by sending us an [e-mail!](mailto:)



Photonics Event FE2016

Program on 1 June 2016

Morning		
9:00	9:45	Start registration and opening exhibition

		Beneluxzaal
Conference		Introduction of Photonics
10:50	11:10	Bart Verbeek & Guus Taminiau (PhotonicsNL)
		<i>Introduction Photonics as KET in Europe and NL</i>
11:10	11:15	Short break (5 min)
11:15	11:35	Aurele Adam (Delft University)
		<i>Presentation Photonics4all</i>
11:35	11:55	Break (20 min)
11:55	12:15	Ewit Roos (Photonon Delta)
		<i>Photon Delta</i>
12:15	12:20	Short break (5 min)
12:20	12:40	Rolf Evenblij (Technobis)
		<i>Photonic Sensing applications</i>
12:40	13:45	Lunch, visit exhibition (65 min)

Afternoon		
		Beneluxzaal
Workshop		Integrated Photonics for Sensors
14.20	14.50	Valentina Moskalenko (Jeppix)
		<i>Introduction to Photonic IC's and PIC Ecosystem</i>
14.50	14.57	Jose Pozo (Epic)
		<i>EU support for PIC development: PICs4all</i>
14.57	15.05	Peter Doyle (Actphast)
		<i>EU support for PIC development: Actphast</i>
15.05	15:25	Coffee break (20 minutes)
Company pitches		
15.25 - 15.55		Ronald Broeke (Bright Photonics)
		Arne Leinse (LioniX International)
		Douwe Geuzebroek (LioniX International)
		Rolf Evenblij (Technobis)
		Mar van der Hoek (Vanderhoekphotonics)
		Devrez M. Karabacak (Fugro Technology)
		Arjen Amelink (TNO Van 't Hoff program)
15.55	16.10	Discussion & Conclusions
16:10	17:00	Networking drinks