



NL-IL Mini-Symposium on Photonics

Thursday 22 April 2021 11:00-13:00 IL time 10:00-12:00 NL time

Webinar through zoom

Registration link: <https://www.eventbrite.com/e/dutch-israeli-mini-symposium-on-photonics-tickets-138133062709>

Objective:

The goal is to provide a platform to discuss the recent progress on photonic integration technology along the complete value chain from integration platforms: over design and packaging to fabrication and applications enabled by photonic integration. Furthermore, by exchanging knowledge and connecting the different players, cooperation will be stimulated and new contacts and ideas for future breakthroughs will be fostered.

Background

Target audience

Program

- 11:00-11:05 **Welcome note**
- Dr. [Racheli Kreisberg](#), Innovation Attaché, Netherlands Embassy in Israel and Israeli Dutch Innovation Center ([IDIC](#))
- 11:05-11:10 **Dutch Israeli photonics cooperation – current situation and ambitions for the future**
- [Ron van der Kolk](#), Director [PhotonicsNL](#)
 - [Haim Rouso](#), co-chairman of Photonics Israel and board member of the Israeli Dutch Innovation Center ([IDIC](#))
- 11:15-11:25 **PhotonDelta: Accelerator of growth for the Integrated Photonics industry**
[Ewit Roos](#), CEO, PhotonDelta, The Netherlands
- 11:25-11:35 **The Israel Center for Advanced Photonics (ICAP)**
[Yaron Magal](#), CEO, Israel Center for Advanced Photonics ("ICAP")
- 11:40-11:50 **Integrated Photonics Design needs, services and tools**
Dr. [Katarzyna Lawniczuk](#), VP Senior Photonics Engineer, Bright Photonics
- 11:50-12:00 **Optional funding tools and existing consortia in photonics**
Dr. [Aviv Zeevi](#), Israel Innovation Authority
- 12:05-12:15 **Monolithic InP integration at SMART Photonics**
[Stefano Aina](#), Commercial Director, SMART Photonics
- 12:15-12:25 **PIC applications in datacenter networks**

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Innovation Attaché
Netherlands Innovation Network
Ministry of Economy and Climate Policy

[Israeli Dutch Innovation Center](#) (IDIC)
Netherlands Embassy in Israel
Abba Hillel 14, Ramat Gan, Israel



Dr. [Elad Mentovich](#), Advanced Technology Senior Principal Engineer, NVIDIA
(formerly Mellanox)

12:30-12:40 **Hybrid PIC packaging and the volume scaleup**
[Jeroen Duis](#), Chief Commercial Officer, PHIX Photonics Assembly

12:40-13:00 **Discussion**

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Biosketches

Stefano Aina, Commercial Director, SMART Photonics



Stefano Aina has joined SMART Photonics in January 2021, where he is responsible of Sales, Marketing and Product Management. He has started his career as researcher in the field of optical fiber telecommunications, in Pirelli Optical, a company developing state-of-the art DWDM systems. He has worked for leading telecommunication system manufacturers like Cisco Systems, where he was Director of R&D in the IP/Optical Business, and Juniper Networks, where he was Director of EMEA Systems Engineering and Professional Services organizations.

Jeroen Duis, Chief Commercial Officer, PHIX Photonics Assembly



Jeroen Duis received his bachelor's degree from the Technical University of Rijswijk in 2001. After his study he worked 16 years within TE Connectivity. Within the Fiber Optic Business Unit and corporate technology team he held several positions in engineering, research, technology scouting and management. During this time, he gained a broad experience in: laser processing of glass fibers, WDM multiplexing, low loss optical interconnects, next generation photonic chip packaging for applications in mobile phones, automotive and high speed computing applications. In March 2017 he accepted a position at SMART Photonics, a scale up in Indium Phosphide wafer manufacturing where he was responsible for the business development. November 2018, Jeroen accepted a position as Chief Commercial Officer at PHIX photonics assembly where he is responsible for the commercial activities and the strategic direction for the hybrid packaging. He is the author and co-author of several publications and holds 15 patent applications in the field of optical interconnection technology.

Ron van der Kolk, Director PhotonicsNL



Since December 2018, Ron van der Kolk is director of PhotonicsNL the Dutch national association for Photonics. Ron is experienced in business information technology, business and marketing strategies and in building national and international networks between businesses, knowledge institutes and government. PhotonicsNL and their partners Dutch Optics Centre and PhotonDelta, strengthen the network of the Dutch Photonics Ecosystem from academia to Industry. On an international level they collaborate with various Photonics clusters and technology platforms, to bring together Photonics and Industry parties and give them the opportunity to connect, exchange knowledge and work together in various high-tech innovations and applications. Driving Photonics from research to market.



Katarzyna Lawniczuk, VP Senior Photonics Engineer, Bright Photonics



Dr. Katarzyna Ławniczuk received her Ph.D. degree in electrical engineering in 2014 from the Eindhoven University of Technology, the Netherlands, on the design and characterization of photonic integrated circuits. Her research focused on multi-wavelength lasers and high-speed modulators for access networks. After receiving her Ph.D., she has been working as JePPIX coordinator and as project lead in a H2020 support act, before joining Bright Photonics as VP, senior photonics engineer.

Yaron Magal, CEO, Israel Center for Advanced Photonics ("ICAP")



Chief Executive Officer at The Israel Center for Advanced Photonics (ICAP). Investment Principal and CTO, TerraLab Ventures. CEO, GE Lighting Technology Israel. CTO & Business Development, Lightech (Acquired by GE).

Dr. Elad Mentovich, Advanced Technology Senior Principal Engineer, NVIDIA (formerly Mellanox)



Head of Mellanox-Nvidia Advance Development Group. Graduated from the Physical Chemistry department at Tel Aviv University, Israel, where he also earned his M.Sc. (Cum Laude). His dissertation is entitled "Realization of the Molecular Transistor Roadmap". He earned his B.Sc. (Cum Laude) in Physics and Materials Engineering at Technion, Haifa, Israel in 2005. Elad published extensively in international academic publications such as Applied Physics Letters, The Journal of Nanobiotechnology, Nano Letters and Advanced Materials.

Ewit Roos, CEO of PhotonDelta



Ewit Roos is CEO of PhotonDelta Foundation since January 2019. His main responsibility is realization of the goals in the National Plan Integrated Photonics, stimulate new activities and maintain intensive contact with companies and relevant industry for expanding the ecosystem. He was already managing director of PhotonDelta since 2016. Before this position he was of 2011 managing director of BrightMove. Aside from his CEO role, Roos advises both national and regional governments and public bodies on early-stage funding topics and is involved in several funding companies and initiatives. Roos started his career in with Waste Management Inc. where he became responsible for corporate affairs and business development in The Netherlands. After 6 years of corporate work, he started a new IT recycling activity in the Waste Management group.



Haim Rousso, co-chairman of Photonics Israel



Haim Rousso is a co-chairman of Photonics Israel - the association of Photonics companies in Israel. He also leads the Forum of VP R&Ds in the Israel industry. Both organizations are operated under the umbrella of AEAI - Association of Engineers and Architects in Israel. Mr. Rousso is a member in the Board of Stakeholders of Photonics 21. Before that, Mr. Rousso spent 40 years at the technology - based industry, as the CEO of EL-OP, a worldwide leader in the electro-optics field, and as Executive VP at Elbit Systems. He served for 8 years as a member at the National Council for R&D and 3 years as a member of the council of IIA -Israeli Innovation Authority.

Dr. Aviv Zeevi Balasiano, VP, Technological Infrastructure Division



As head of the Technological Infrastructure Division, Aviv is responsible for generating collaborations between the industry and academia that create advanced technologies and innovative products; these collaborations strengthen the Israeli industry's long-term technological advantage in the fierce competition of international markets. Aviv has vast experience in the field of technological developments, in developing online systems as well as training and simulation systems. In his most recent role, he served as the head of the ICT department in the Israeli Research Directorate of the European Research Program. Aviv has a PhD in Information Systems Management from the Tel Aviv University. He holds several additional degrees in Economics, Political Science and Management. Aviv Zeevi, VP, Technological Infrastructure Division