



## WEBINARS

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# Silicon Nitride Photonics with MEMS: Enabling New Sensing and Filtering Systems

**Wednesday, September 8, 2021 1:00 PM - 2:00 PM EDT**

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## .: About This Webinar

Silicon nitride photonics provides for capabilities beyond traditional silicon photonics. This has made it the material of choice for a new generation of solutions. Silicon nitride photonics will be a crucial enabler of advancing optical solutions in telecom, datacom, quantum computing, sensors, and security. Monolithic integration of silicon nitride with MEMS is a novel breakthrough that opens up new applications.

Revolving around these usages is a need for advanced optical filters and high-speed switching elements. While these discrete elements can be integrated into silicon nitride photonics, it becomes more challenging to comprehend all the aspects of a complete solution. A full-stack solution approach with systems thinking can reduce complexity.

This reduction in complexity can be accomplished by combining silicon nitride technologies with integrated MEMS and switching elements, and then adding electronic controls. In this webinar, Philippe Babin, CEO of AEAPONYX, discusses silicon nitride photonics' advantages and capabilities and takes a systems-thinking approach to product success. He will also discuss how silicon nitride photonics applies to solving today's challenges and future applications.

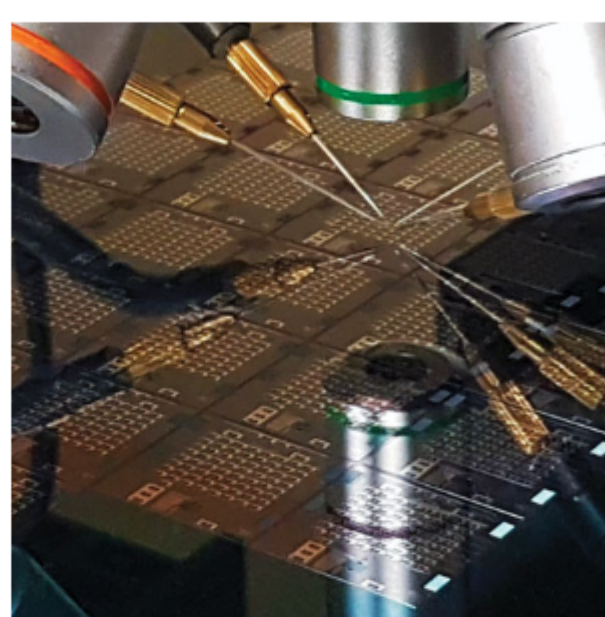
This webinar will be 40 minutes, with time reserved at the end for questions.

### Who should attend:

This webinar is intended for engineers, product managers, product developers, and solution specialists involved in or looking to develop advanced optical products. This includes those working in the fields of telecom, datacom, quantum, lidar, and sensors.

### About the presenter:

Philippe Babin, CEO of AEAPONYX, has over 25 years of experience in product and market development in the telecommunication field. He co-founded AEAPONYX Inc., and together with his team develops and brings to market photonic integrated circuits and products for a broad range of applications. He holds both an electrical engineering degree and an MBA from the University of Sherbrooke.



## .: Mark Your Calendar

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