



*Advancing Technology  
for Humanity*

# Photonics for AI Infrastructure

ITU and IEEE Photonics Society Workshop  
Sunday 5<sup>th</sup> July, 13:00-16:30 ET, Montreal, Canada

**Matthew Posner, Chair**  
**IEEE Photonics Society Chapter, IEEE Montreal Section**



# Thank you to the Program Committee & Partners

## Program Committee

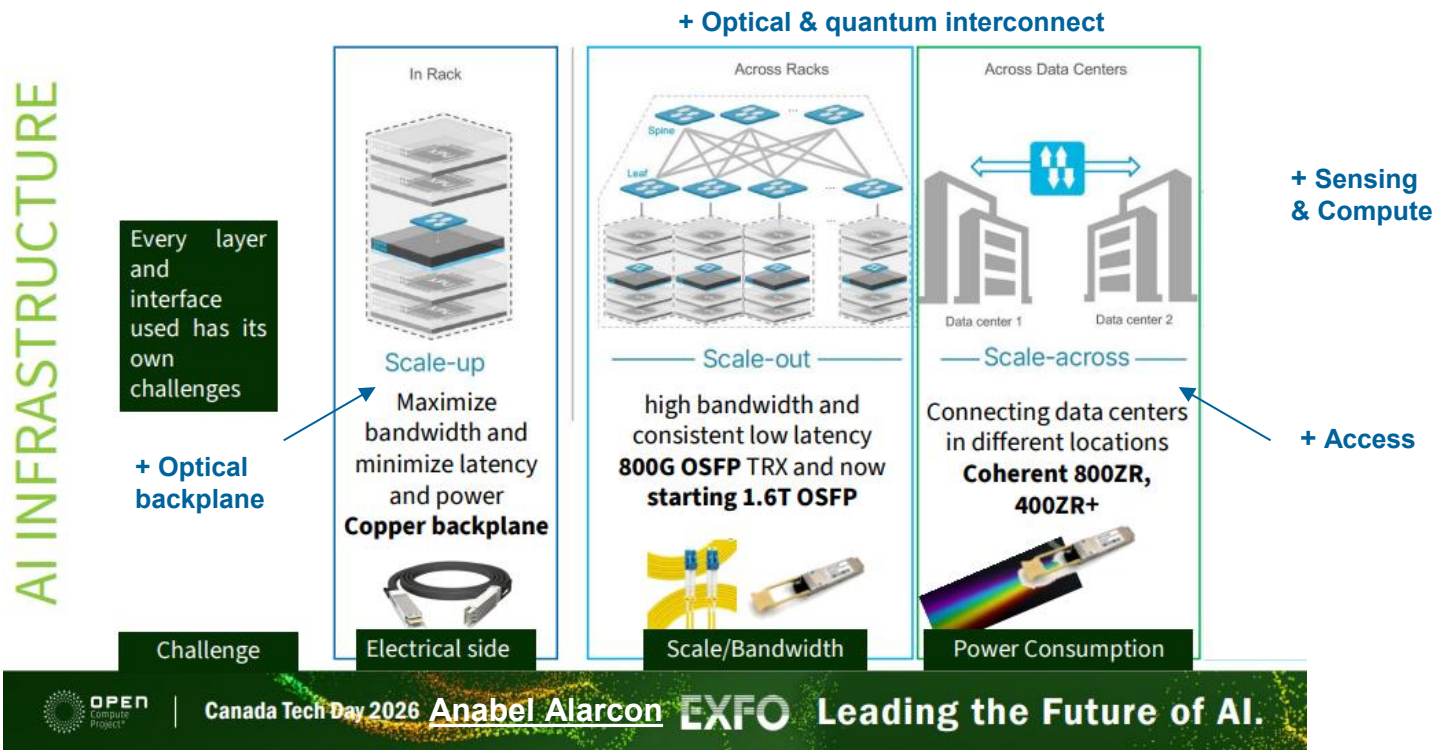


## Partners



# Preview: Photonics for AI Infrastructure

## Photonics for Scale-up, Scale-out, Scale-Across & Access



# Program overview

On-site and remote participation available

## Session 1: Building the AI Rack

[Anabel Alarcon](#), Exfo

*"1.6T and Beyond: Innovations in High-Speed Technology"*

[Mohammad Alavirad](#), Dell

*"Architectural Trends in Optical Interconnects for the AI Scale-Up Fabric"*

[Amjad Haddad](#), Lumentum

*"Optical Circuit Switch Technology and Applications"*

[José Garcia-Echeverria](#), Axonal Networks

*"Digital Photonics for High-Radix Switches in AI Data Centers"*

## Session 2: Access and Scale Across

[Fabio Cavaliere](#), Ericsson, & [David Plant](#), McGill Uni.

*"Optical Interconnects in Radio Access: Use Cases and Enabling Technologies for Future RAN Architectures"*

[Jun Shan Wey](#), Verizon

*"Distributed Fibre Optic Sensing for Telecom Networks"*

[Christine Tremblay](#), ETS

*"Sensing in Fiber Optic Networks From Communication Infrastructure to Distributed Intelligence"*

[Piotr Roztocki](#), Ki3 Photonics

*"Quantum photonic interconnects"*

# Call to action: join us this Sunday, 5<sup>th</sup> July @ 13:00 ET

Connect with colleagues in industry, academia, and standards organizations.



The screenshot shows the ITU website header with the logo and tagline "Connecting the world and beyond". Below the logo is a search bar. A navigation menu includes "ITU", "General Secretariat", "Radiocommunication", "Standardization", "Development", and "News". A secondary menu lists "About ITU-T", "Events", "All Groups", "Standards", "Resources", "BSG", "Study Groups", and "Cooperation". The main content area features the title "ITU and IEEE Photonics Workshop on 'Photonics for AI Infrastructure'" over a world map background.

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5 July 2026

Montreal, Canada





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