



Photonics for AI Infrastructure

ITU and IEEE Photonics Society Workshop
Sunday 5th 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

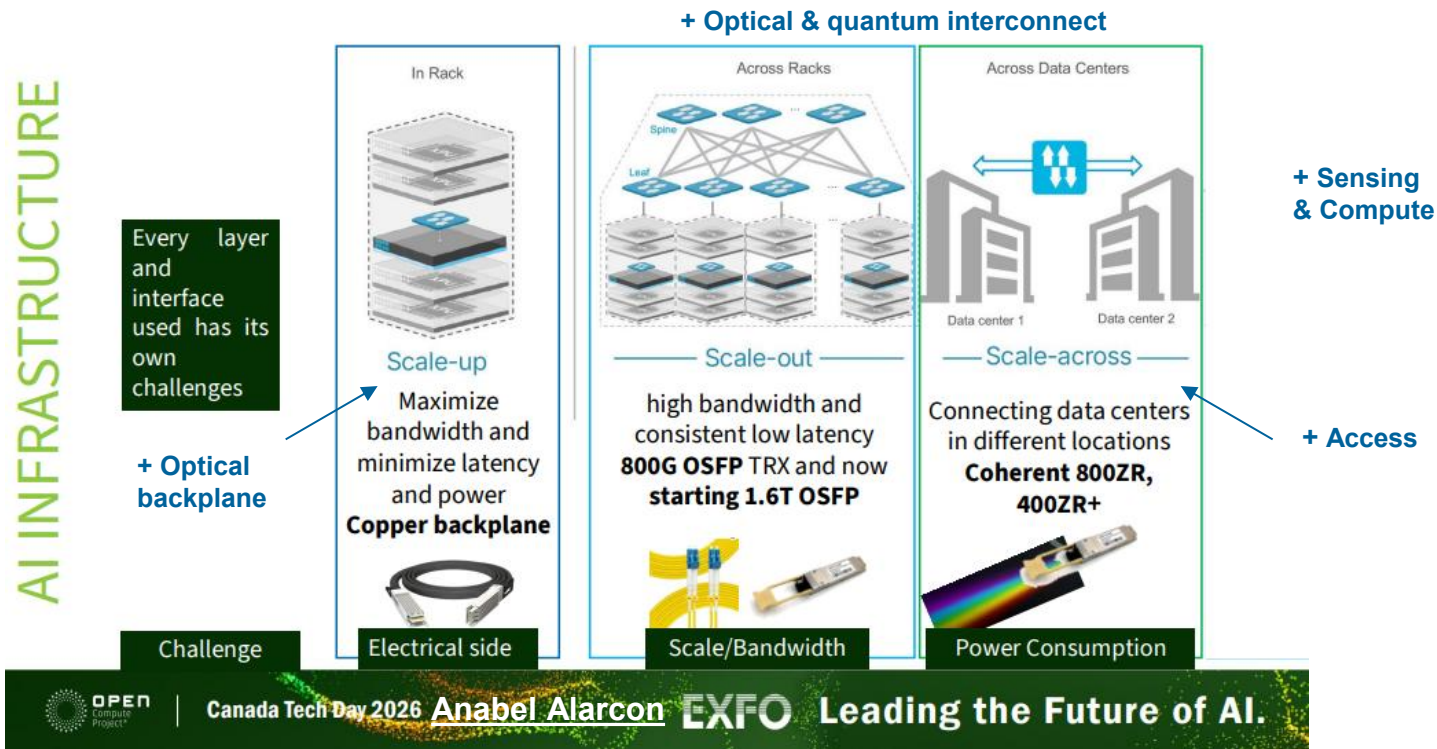


Partners



Preview: Photonics for AI Infrastructure

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



Program overview

Networking break on-site @ 14:35-15:00 EDT

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 Roztock](#), Ki3 Photonics

"Quantum photonic interconnects"

Call to action: Be Present. Be Kind. Be curious.

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

