

Workshop

Photonics for AI Infrastructure

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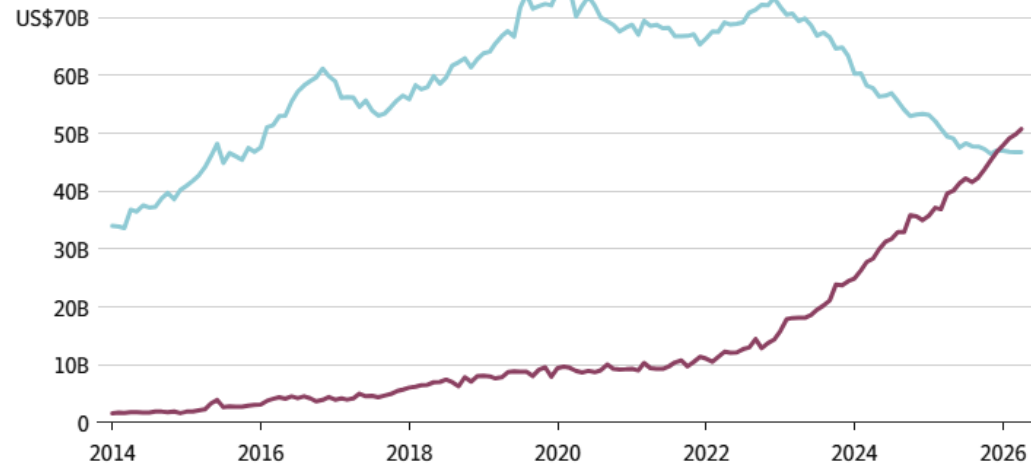
July 5, 2026

Why AI is relevant...

U.S. construction spending on data centres vs. office buildings

Monthly seasonally adjusted annual rate

— Data centres — General office

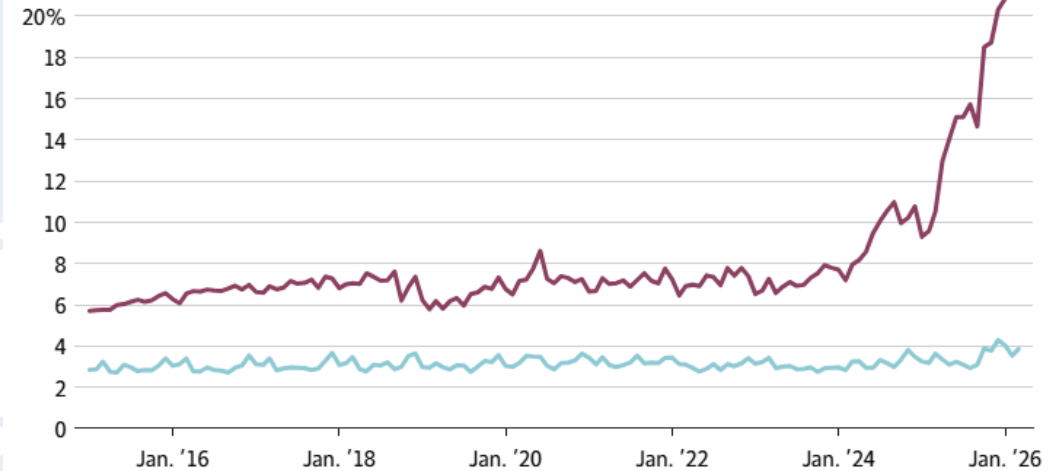


THE GLOBE AND MAIL, SOURCE: U.S. CENSUS BUREAU

Imports of AI-related products to the U.S. and Canada

As a share of total imports

— U.S. — Canada



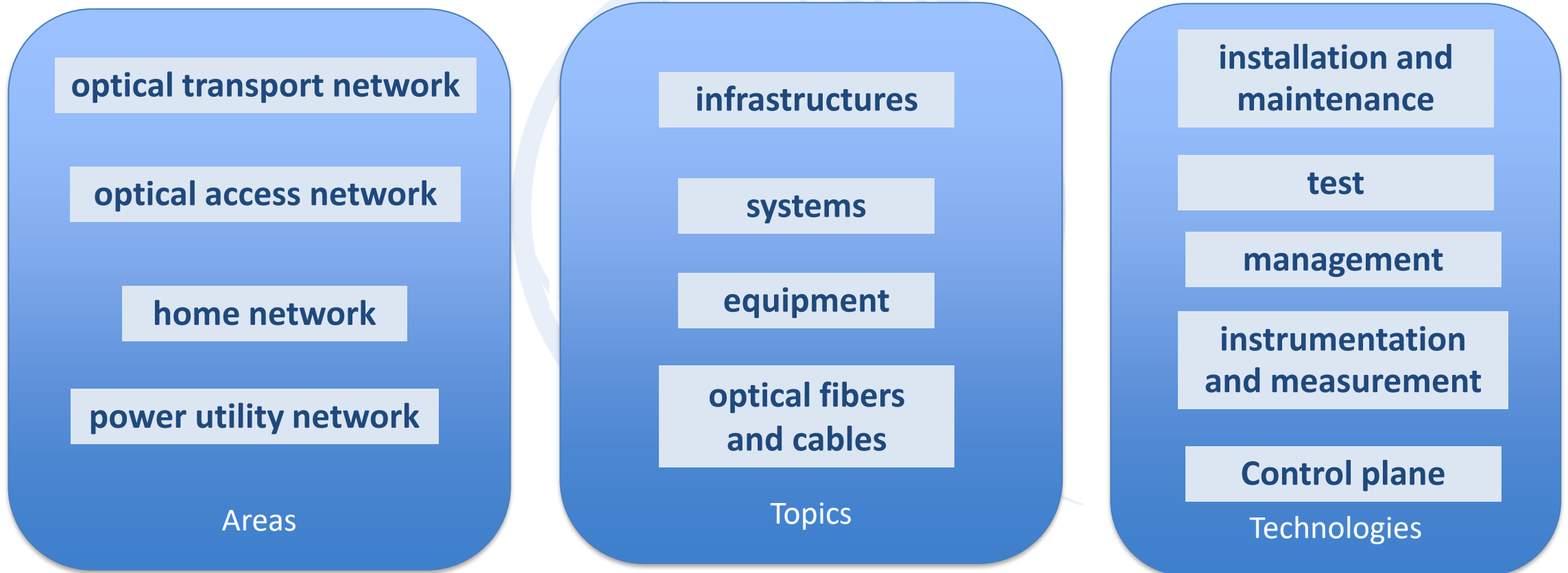
Represents the top 20 AI-related import categories identified by Michael Waugh of the Federal Reserve Bank of Minneapolis, including computer hardware (processors, storage, ADP units), networking (switching and routing apparatus, fibre optic cables), power infrastructure (copper cathodes, switchgear, insulated conductors) and energy storage (lithium-ion batteries for backup power systems). Data downloaded at the HS6-level of imports for cross-country comparison.

THE GLOBE AND MAIL, SOURCE: STATISTICS CANADA, U.S. CENSUS BUREAU, MICHAEL WAUGH

Source: [The Globe and Mail, June 13, 2026](#)

Responsibility of Study Group 15

The development of **standards** on:



to enable the evolution toward intelligent optical networks ...

Questions and Working Parties of SG15

Question Number		Question title
WP1	Optical Access and Home	
WP2	Optical Technology & Physical Infrastructure	
WP3	Transport Network Characteristics	

WP: Working Party



ITU-T SG 15 deliverables

- Work products:

- Recommendations
- Supplements
- Technical papers and reports
- Flyers

- Recommendation series

- + G.600-G.699: Transmission media and optical systems characteristics
- + G.700-G.799: Digital terminal equipments
- + G.800-G.899: Digital networks
- + G.900-G.999: Digital sections and digital line system
- + G.7000-G.7999: Data over Transport – Generic aspects
- + G.8000-G.8999: Packet over Transport aspects
- + G.9000-G.9999: Access networks
- + G supplements: Supplements to ITU-T G-series Recommendations
- + L.100-L.199: Optical fibre cables
- + L.200-L.299: Optical infrastructures
- + L.300-L.399: Maintenance and operation
- + L.400-L.429: Passive optical devices
- + L.430-L.449: Marineized terrestrial cables
- + L supplements: Supplements to ITU-T L-series Recommendations

