Faculty Name:

Alex Meng

Faculty Email:

meng@ee.columbia.edu

Lab:

Lightwave Research Lab

Project Title:

Photonics for Accelerated AI/ML Communication Collectives

Description:

This position focuses on optimizing communication-intensive operations in AI/ML workloads. Employing novel optical comb sources, we aim to enhance connectivity through multi-wavelength selective switching and multicasting. The goal is to accelerate data exchange, contributing to the efficiency and scalability of AI/ML systems.

Location of Research:

On Site

# of hrs/week:

20

Department/Program:

Electrical Engineering

Eligibility:

BS, Third Year, BS, Fourth Year, MS

To apply, please contact:

Alex Meng, meng@ee.columbia.edu