

MATH ACROSS THE CANNON:

USING MATH TO INVENT
SOLUTIONS TO LARGE-SCALE
HUMAN PROBLEMS

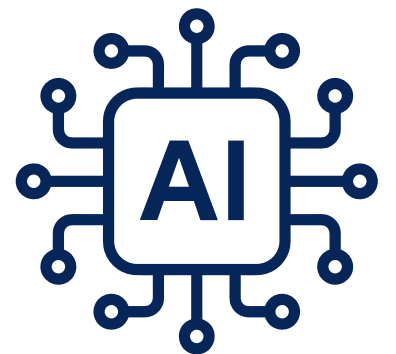
TUESDAY, OCTOBER 6, 2026

RECEPTION @ 3:30PM | LECTURE @ 4:00PM

CARLETON COLLEGE: OLIN 149

SPEAKER BIO: Prof. Po-Shen Loh is a social entrepreneur, inventor, and math professor at Carnegie Mellon University. He combines math, science, and technology to address the impacts of AI on humanity, work, and education. Major newspapers have covered his work, and his latest initiative unites math stars and actors to transform education.

A former silver medalist for Team USA at the 1999 International Math Olympiad and decade-long National Coach, he is also a Hertz Fellow. He speaks in 100+ cities per year on education-after-AI, visiting classrooms, companies, and public forums while running his EdTech social enterprise.



How can mathematics help devise practical solutions to massive societal challenges? In this public lecture, we will discover how the mathematics of network theory and game theory inspired new tools for pandemic control and education. During the COVID pandemic, Dr. Loh created an app to address the misalignment problem intrinsic in contact tracing, shifting the incentives from individual isolation to protect others to instead helping protect ourselves from infection. At the intersection of education and technology, Dr. Loh is the creator of a novel tech ecosystem pairing math stars with professional actors and comedians to teach scalable problem-solving. This comes just in time, as the rise of AI underscores the need for human skills.

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