

MATH-IMS Joint Pure Mathematics Colloquium Series The Chinese University of Hong Kong

This Colloquium Series in Pure Mathematics is organized by the Department of Mathematics and the Institute of Mathematical Sciences (IMS) at The Chinese University of Hong Kong. The series focuses on all areas of pure mathematics together with theoretical developments and applications.

Date: April 8, 2022 (Friday)

Time: 10:00AM-11:00AM (Hong Kong Time)

Zoom Link: <https://cuhk.zoom.us/j/98846779826>

Knot Floer homology constructions and the Pong Algebra

*Speaker: Professor Zoltan Szabo
Princeton University*

Abstract: In a joint work with Peter Ozsvath we have developed algebraic invariants for knots using a family of bordered knot algebras. The goal of this lecture is to review these constructions and discuss some of the latest developments.

Bio: Professor Zoltan Szabo received his PhD degree from Rutgers University under the direction of Prof. John Morgan. He was first an instructor and then an assistant professor at Princeton University from 1994 to 1999. He moved to University of Michigan, Ann Arbor for a year in 1999 and returned to Princeton University in 2000, where he is now a professor. Prof. Szabo was an Alfred P. Sloan Research Fellow from 1998 to 2000, and was a David and Lucile Packard Foundation Fellow from 1998 to 2003. He won the Oswald Veblen Prize in Geometry in 2007 and has been an Honorary member of the Hungarian Academy of Sciences since 2010.