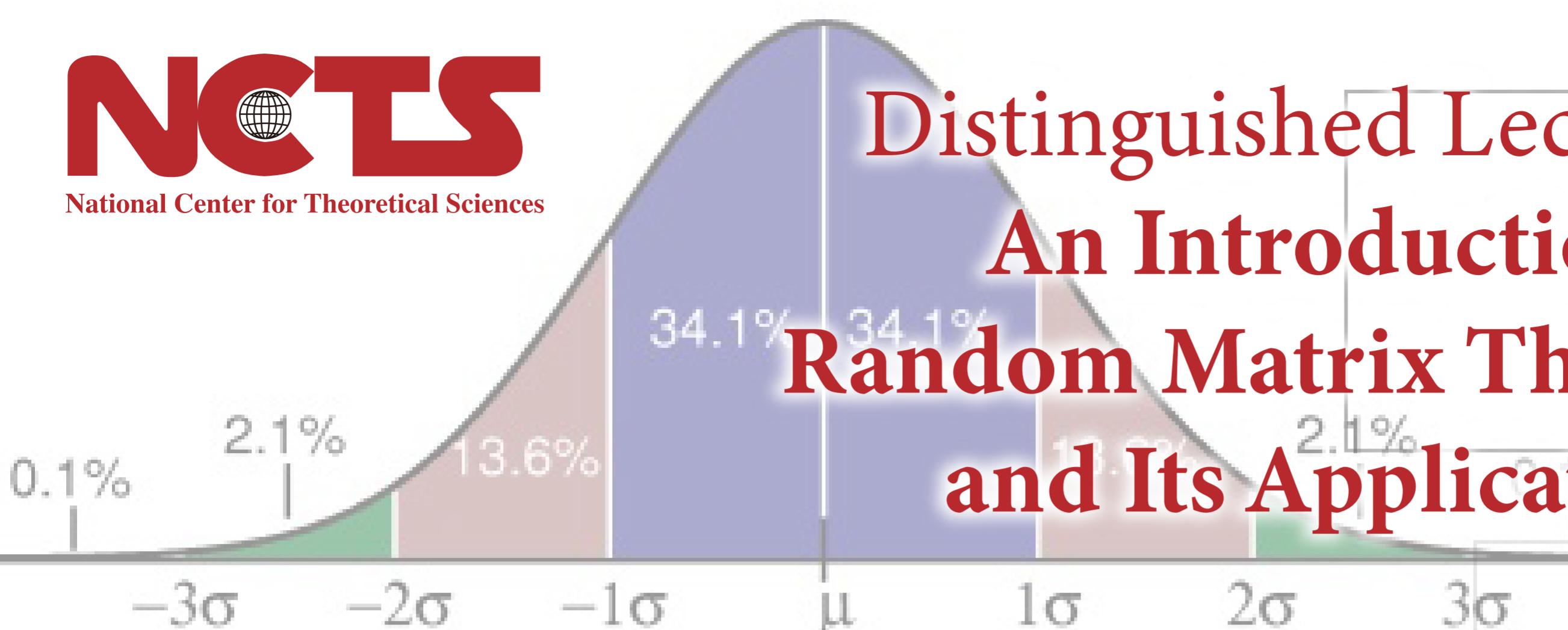


Distinguished Lecture: An Introduction to Random Matrix Theory and Its Applications



Time | 2026/01/05

Venue | R515, Cosmology Building, NTU



Horng-Tzer Yau
Harvard University

Title

An Introduction to Random Matrix Theory and
Its Applications

Abstract

We review the development of random matrix theory beginning with Eugene Wigner's pioneering work in the 1960s. Wigner's profound insight into the universality of eigenvalue distributions has had a lasting influence on the field. We also discuss Dyson's Brownian motion, which has emerged as a powerful tool for establishing and understanding Wigner's universality conjecture. Finally, we highlight applications of these ideas to contemporary research problems in graph theory and related areas.

Organizer

Mao-Pei Tsui (National Taiwan University)

Contact:

Peggy Lee (peggylee@ncts.tw)

報名網頁



活動網頁



Agenda

13:45-14:00 Registration

14:00-15:00 NCTS Distinguished Lecture

15:00-16:00 Q&A and Tea Break

