



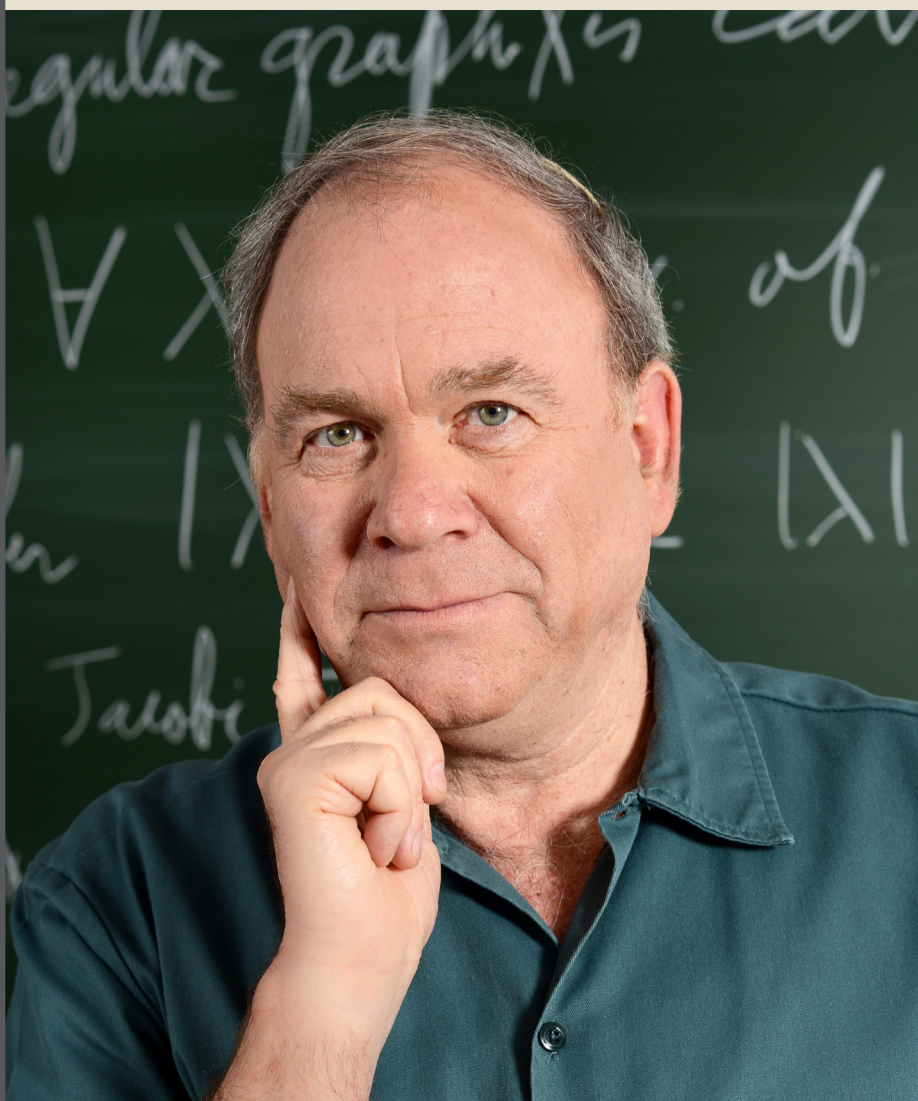
PRINCETON UNIVERSITY

Department of Mathematics

Minerva Mini-Course

Fall 2023

High Dimensional Expanders and Their Applications in Mathematics and Computer Science



Alex Lubotzky

Weizmann Institute &
The Hebrew University

Minerva Distinguished Visitor Alex Lubotzky will deliver a series of five lectures on high dimensional expanders and their applications. The lectures are aimed at a large audience of mathematicians and computer scientists. An effort will be made that they will indeed be accessible to a large audience. While there will be some connection between the lectures, they can also be seen as fairly independent talks.

All talks will be at 12:15PM in the
Fine Hall 3rd Floor
Common Room

Wednesday, September 27
Expanders and Ramanujan graphs

Wednesday, October 4
High dimensional expanders and Ramanujan complexes

Wednesday, October 25
From Ramanujan to Gromov

Wednesday, November 1
Property testing and LTC codes

Wednesday, November 15
Groups' approximation and (non) sofic groups

The Minerva Distinguished Visitor program is supported by a gift from
the Fernholz Foundation