

## Computer Science/Discrete Mathematics Seminar II

Submitted by admin on Wed, 01/30/2013 - 11:01

High Dimensional Expanders and Ramanujan Complexes

**Series:** Computer Science/Discrete Mathematics

Alex Lubotzky

Hebrew University

**Date & Time:** Tue, 02/12/2013 - 10:30 - 12:30

**Location:** S-101

**Video Link:**

<http://video.ias.edu/csdm/1213/0212-AlexLubotzky>

Expander graphs, in general, and Ramanujan graphs, in particular, have been objects of intensive research in the last four decades. Many applications came out, initially to computer science and combinatorics and more recently also to pure mathematics (number theory, geometry, group theory). In recent years, there has been an interest in generalizing this theory to higher dimensional simplicial complexes. We plan to survey first the classical theory and then describe the more recent developments. Some directions of current research will be presented as well as suggestions for future research.

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Wed, 12/19/2012 - 18:18

Wed, 01/30/2013 - 14:04

terms:

- [CSDM Seminars](#)