INDIAN STATISTICAL INSTITUTE
BANGALORE CENTRE

Telephone: 080-28483002/003/004/005/006
Fax: 080-28484265
Telegram : STATISTICA

8th Mile, Mysore Road
R.V. College Post
Bangalore 560 059, INDIA

International Statistics Year Special Seminar

Date: *Tuesday, 17th December 2013*

Time: 11.30 am

Title: *Statistical Analysis of large networks*

Professor Persi Diaconis

Mary V. Sunseri Professor of Statistics and Mathematics at Stanford University

Abstract:

Network data abounds in modern life; social networks, gene networks, the internet and so on. In joint work with Sourav Chatterjee, we have been looking at problems associated with the analysis of simple exponential models for such data. Sometimes, it's easy: there are natural examples (degrees as sufficient statistics) where we can consistently estimate in parameters based on a sample of size one (!). Sometimes, it's impossible: in edge-triangle models, the maximum likelihood estimates can be badly inconsistent for just two parameters. All of this leans on the emerging ``graph limit theory" along with additive Combinatorics.

Venue: Platinum Jubilee Auditorium, ISI, Bangalore

All are welcome.

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