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COLLOQUIUM SPEAKER
Peter Erdos

Seminars Listing

INSTITUTION Renyi Institute, Budapest

HOST:
(use last name) Galvin

TITLE OF TALK Constructing, sampling and counting graphical realizations of restricted degree

FULL DATE Thursday, March 21, 2013 **TIME OF TALK** 3:00 PM

TYPE OF TALK Discrete Mathematics Seminar **ROOM** 127 Hayes-Healy Hall

ORGANIZER David Galvin

Note

Dinner Date **Dinner Time** **Dinner Place**

Abstract-Full

With the current burst of network theory research (especially in connection with social and biological networks) there is a renewed interest on realizations of given degree sequences and uniform sampling of those realizations. In this lecture we propose a new degree sequence problem: we want to find graphical realizations of a given degree sequence on labeled vertices, where certain would-be edges are *forbidden*. Then we want to sample uniformly all possible realizations.

Biographical Information: (Colloquia only)

If colloquium hosts want to use Café Navarre Bar and Restaurant – we do have a direct bill set-up. If you tell them Math Department and the host they will take care of the rest.