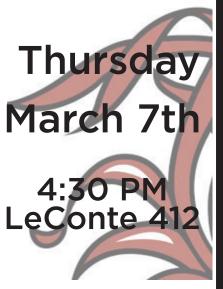
College of Arts and Sciences **Department of Mathematics**University of South Carolina

Math Colloquium

Metric Embeddings: Embeddings of discrete metric spaces into the Banach spaces

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mbeddings of a discrete metric space into a Hilbert spaces or a "good" Banach space have found many significant applications. At the beginning of the talk I plan to give a brief description of such applications. After that I plan to present three of my results: (1) On L_1-embeddability of graphs with large girth; (2) Embeddability of infinite locally finite metric spaces into Banach spaces is finitely determined; (3) New metric characterizations of superreflexivity.

