



Department of Mathematical Sciences

Spring 2016

Colloquium Series

Friday, February 12, 2016 at 3pm in Bell Hall 143

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Recent contributions to metric fixed point theory through graphs

In this talk, we will discuss a new area that overlaps between metric fixed point theory and graph theory. This new area yields interesting generalizations of the Banach contraction principle in metric and modular spaces endowed with a graph. The bridge between both theories is motivated by the fact that they often arise in industrial fields such as image processing engineering, physics, computer science, economics, ladder networks, dynamic programming, control theory, stochastic filtering, statistics, telecommunication and many other applications.

For further information, please contact Dr. Emil Schwab, eschwab@utep.edu