

DISCRETE MATHEMATICS SEMINAR
CENTER FOR APPLIED MATHEMATICS AND SCIENCE
DEPARTMENT OF MATHEMATICS
UNIVERSITY OF WEST GEORGIA

10:00 - 11:00 AM, Friday, September 30, 2016

BOYD 306

Speaker: **Dr. Hong-Jian Lai** (West Virginia University)

Title: **An extremal problem on subdigraph connectivity**

Abstract:

Given a graph G , if we just count the number of edges of G , can it predict whether G has a subgraph with high edge-connectivity? Mader settled this problem and his solution brought up the study of the so called strength maximal graphs. We will brief the development of strength maximal graphs and discuss the recent development in digraphs in this direction.