

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

1:00 - 2:00 PM, Friday, March 30, 2018

BOYD 307

Speaker: **Steven Redolfi** (UWG)

Title: **Enumerating the degree sequences of k -edge-connected graphs**

Abstract:

We enumerate the degree sequences of k -edge-connected graphs, as a generalization of the enumeration of connected degree sequences. We also discover a corresponding result in uniform hypergraphs. Furthermore, we will contrast the two main proofing techniques, specifically: Creating a generating function for the enumerating sequence versus creating a bijection between the desired objects and easily counted objects.

This is joint work with Xiaofeng Gu.