

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

2:00 PM, FRIDAY, SEPTEMBER 25, 2015

BOYD 306

Speaker: **Abdollah Khodkar** (Department of Mathematics, UWG)

Title: **Pancyclicity**

Abstract:

A graph with n vertices is (r) -**pancyclic** if it contains precisely r cycles of length k , where $3 \leq k \leq n$. A bipartite graph with even number of vertices is said to be (r) -**bipancyclic** if it contains precisely r cycles of each even length from 4 to n . Similarly, a bipartite graph with odd number of vertices n and minimum degree at least 2 is said to be **oddly** (r) -**bipancyclic** if it contains precisely r cycles of each even lengths from 4 to $n - 1$.

In this seminar we will learn more about these graphs.