

# VCU Discrete Mathematics Seminar

## *Strong edge-colorings for $k$ -degenerate graphs*

**Prof Gexin Yu**  
**College of William & Mary**

Tuesday, Oct. 1  
12:30–1:20  
4119 Harris Hall

Abstract: We prove that the strong chromatic index for each  $k$ -degenerate graph with maximum degree  $\Delta$  is at most  $(4k - 2)\Delta - k(2k - 1) + 1$ . This confirms a conjecture of Chang and Narayanan.



For the full schedule of speakers, titles and abstracts for Fall 2013, see:  
<http://www.people.vcu.edu/~dcranston/DM-seminar/>