



Colloquium

Wednesday January 17, 2007

12pm Room 08-2130

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**“A-MAGIC GRAPHS, AN INTRODUCTION”**

**Dawn Jones**  
**SUNY Brockport**

In this talk, I will define a way to label the edges of a graphs with elements from a given abelian group so that the induced labels on the vertices is constant for the set of all vertices. If it is possible to find such a labeling for a given graph  $G$  and a given abelian group  $A$ , then we say that  $G$  is  $A$ -magic. I will present some known results about  $A$ -magic graphs and also present some of my current research concerning product of graphs. I will also end the talk with some open problems that would be suitable for undergraduate research.

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Contact: Tony Harkin  
Phone: 475-2540  
E-mail: aahsma@rit.edu

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