



---

**Speaker:** Roxana Smarandache  
University of Notre Dame

Friday, September 25, 2015

4:00 PM

129 Hayes-Healy Hall

**Title:** A polynomial approximation of the permanent of a matrix

**Abstract:**

In the talk, we will discuss several old conjectures related to the permanent of doubly stochastic matrices (and more generally, to the permanent of matrices with non-negative entries) that were, after more than 30 years recently solved. We will show some open conjectures that could constitute the topic of a thesis. We will show how these are connected to coding theory and what other projects are of interest in this field.