



## Colloquium

November 16, 4:05 p.m. (9<sup>th</sup> Period)  
(in the Atrium)

**Speaker:** Dr. Richard Crew

**Title:** p-adic numbers and p-adic differential equations

### Abstract

For any prime  $p$ , the field of  $p$ -adic numbers is the completion of the field of rationals with respect to a metric in which large powers of  $p$  are small. I will first describe some properties of this field, and try to show how they are used in number theory and algebraic geometry.