

The Fullerton College Mathematics Colloquium  
presents

**Kyle Lee**

Chapman University (FC '12)

**“Understanding the Mathematics of Dark Energy and Dark Matter”**

ABSTRACT:

Mr. Lee is very interested in ties between physics and mathematics, and he is conducting undergraduate research in physics, particularly, galaxy evolution, in cooperation with faculty at UCI. He has successfully transferred from FC to Chapman University.

He was invited by Dr. Clahane to discuss what dark energy and dark matter are, and how they are mathematically viewed. You’ve probably heard of these terms as “mysterious” concepts currently being popularized in public television programs, for example. Come to this talk to find out what these things really are and how they can potentially be described in mathematical terms.

**Dr. Bill Cowieson**

Fullerton College

**“Are There Infinitely Many Base-10 Palindromic Primes?”**

ABSTRACT:

A sequence of symbols is called a “palindrome” if it is unchanged when its symbols are arranged in reverse order. For example, “abba” and 10201 are palindromes. Dr. Cowieson will explain what base  $n$  numbers are in general, and then consider the question, given a base  $n \in \mathbb{N}$ , of whether or not there are infinitely many prime numbers that are base- $n$  palindromes; that is, palindromes when written in base  $n$ . The answer to this question is not even known in the usual  $n = 10$  case.

**Thursday, November 1, 2012**

**12:45-2:50pm**

**North Science Building, Room 623**

**Fullerton College**

**321 E. Chapman, Fullerton CA 92832-2095**

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