PI MU EPSILON INDUCTION CEREMONY AND MATH TALK

DR. DAVID PLAXCO FROM CLAYTON STATE UNIVERSITY WILL GIVE A TALK TITLED "MORE THAN ALGORITHMS".

ABSTRACT: The Rubik's cube is one of the most famous puzzles in the world and can also serve as an incredibly rich example of a mathematical structure called a *group*. While the puzzle's "solved" state is generally thought of as when all the faces are a solid color, this is merely one of 43,252,003,274,489,856,000 different scrambles. This measure becomes even more dramatic when considering the generalized nxnxn puzzle – for instance, the 9x9x9 cube has more scramble states than there are *atoms in the observable universe*. I contend that many of these other states are *just* as interesting and can even be thought of as solutions to the puzzle in their own right. Join me as I use these other solutions to explore the cube and also reflect on what it means to *do mathematics.*

FRIDAY, MARCH 25TH

3:00 - 5:00 PM

MILO BAIL STUDENT CENTER, 3RD FLOOR IN THE DODGE ROOM

INDUCTION CEREMONY AT 3:00 PM FOLLOWED BY DR. PLAXCO'S TALK, AND A LIGHT RECEPTION WITH FOOD.

Parking:

Parking is FREE on Fridays in the West Garage and the East Garage.

RSVP by Wednesday, March 23rd: