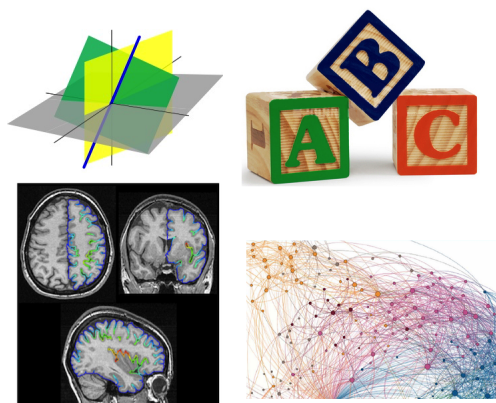




MATHEMATICS DEPARTMENT PRESENTS



**MATH FOR THE NEW MILLENNIUM:
IDEAS THAT CHANGE THE WORLD**

by

**CMC Professors Asuman Güven Aksoy,
Lenny Fukshansky, Blake Hunter, Chiu-Yen Kao**

ABSTRACT

The modern process of mathematical discovery is at the heart of fundamental intellectual pursuit as well as technological innovation, and CMC faculty is actively involved in cutting-edge research across several central mathematical disciplines. In this presentation, we will explore some of the remarkable problems and ideas in several branches of modern mathematics and tell you a little about our research interests and work with students. We will talk about the Invariant Subspace Problem in Analysis, the ABC Conjecture in Number Theory, Topic Modeling in Data Mining, and the Level Set Methods in Applied Mathematics. In addition to their intrinsic beauty, ideas from these fields impact diverse areas of human activity, spanning from medicine and life sciences to engineering and computer science, from digital communications to artificial intelligence, and many others.

Wednesday, October 7, 2015, 5:30–8:00 p.m.

Marian Miner Cook Athenaeum, Claremont McKenna College

The event, including dinner, is open to all the Claremont Colleges