

The Humboldt State University
Department of Mathematics

Presents:

The 64th Harry S. Kievall Lecture *

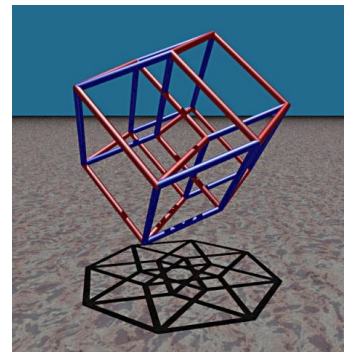
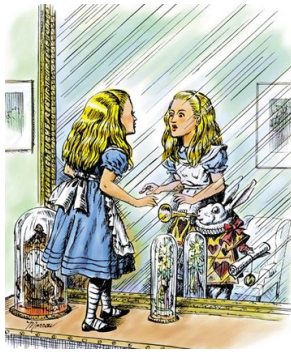
Wednesday, October 29, 2014

7:30 P.M.

Science B Building, Room 135

Benson Farb, Ph.D.

Professor of Mathematics
University of Chicago



***“Through the looking glass: symmetry,
the fourth dimension, and beyond”***

Why are our mirror images reflected left-right but not up-down? What does the fourth dimension look like? How is it possible that a square box can be big enough to hold only one round marble, but the marble only takes up a trillionth of the space in the box? This talk will explore these questions and, perhaps more surprisingly, explain how they have a profound influence on our everyday life.

Benson Farb is a Professor of Mathematics at the University of Chicago, where he studies geometry, topology, group theory, representation theory and their interactions. He arrived at Chicago as a postdoc in 1994, just after getting his Ph.D. from Princeton. Farb has had 34 Ph.D. students, including 15 women. He has authored 64 papers and 5 books. Farb's awards include a Sloan Foundation Fellowship and a National Science Foundation Career award. He was elected a Fellow of the American Mathematics Society in 2012, and was an invited to speak at the International Congress of Mathematicians in Seoul in 2014.

*A lecture on some popular and/or broad aspects of mathematics attractive to undergraduates and the public
For more information go to: <http://www.humboldt.edu/math/kieval/index.html> HSU is an AA/EO institution.
Disability accommodations may be available from event sponsor at 826-3143

