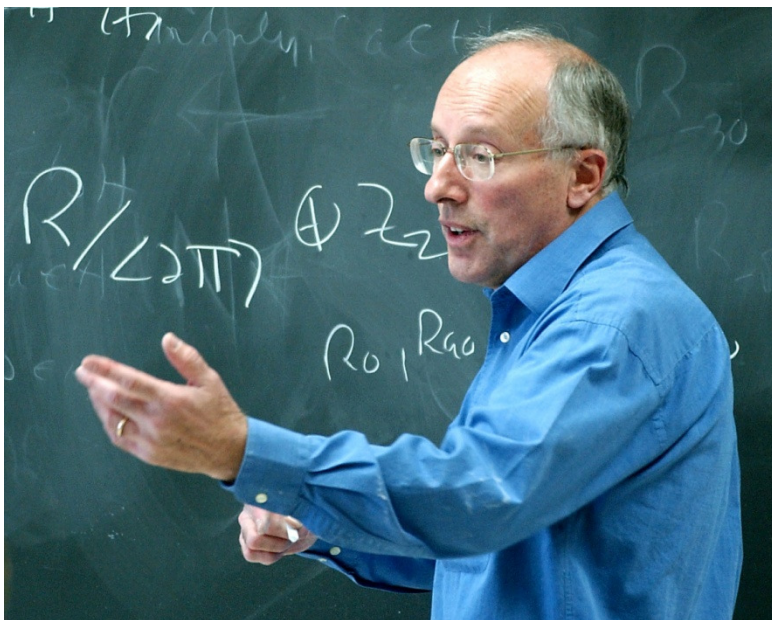


Math & Stat Colloquium

Wednesday, October 8

3:30pm LIB 164

Refreshments will be served in the Lund Hall Foyer at 3:00pm



Speaker:
Joseph Gallian

University of Minnesota
Duluth

**“Using Groups and
Graphs to Create
Symmetry Patterns”**

Abstract: We use video animations to explain how Hamiltonian paths, spanning trees, cosets in groups, and factor groups can be used to create computer generated symmetry patterns in hyperbolic and Euclidean planes. These methods were used to create the image for the 2003 Mathematics Awareness Month poster.