TEXAS STATE UNIVERSITY

The rising STAR of Texas

Discrete Mathematics Seminar

Time: Friday, February 16, 2018, 2:15-3:15 PM
Room: 237 Derrick Hall
Title: Weyl groups, Schubert varieties and hyperplane arrangements
Speaker: Dr. Suho Oh, Department of Mathematics, Texas State University

Abstract:

For an element of a Weyl group, there is a graphical hyperplane arrangement. We show how to link the properties of the Schubert varieties (algebraic variety associated to each element of the Weyl group) to this hyperplane arrangement. Then we will introduce a related conjecture for Coxeter groups (Robert's master's thesis is proving this for Weyl groups).