

“... Dave will teach us how to make tons of monthly cash-flow with apartment buildings. Imagine having an extra \$10,000 plus per month coming in without having to work for it each month! ...” — from a real estate magazine

The Trivial Notions Seminar Proudly Announces

Bruhat-Tits buildings

A talk by
Sug Woo Shin

Abstract

The theory of buildings has applications in many parts of mathematics ranging from representation theory to graph theory and algebraic K-theory. Buildings are simplicial complexes attached to (reductive) Lie groups or p -adic groups. They are simple enough to be useful, but complicated enough to capture the essential information of the groups, allowing development of interesting theories. In the beginning of my talk, I will introduce apartments for (p -adic) groups, and then construct buildings from apartments (as we do in the real life). The main goal will be to deliver a flavor of the Bruhat-Tits theory to wide audience with relatively easy examples such as $SL(2)$ and $SL(3)$.

Thursday, February 22nd, 2007, 4:15-5:15
Science Center 507