**Speaker:** Kaiming Zhao (Wilfrid Laurier University, Waterloo, Canada)

**Title:** Simple modules over Witt algebras $W_d$

**Abstract:** Let W_d be the Witt algebra, that is, the derivation Lie algebra of the Laurent polynomial algebra $A_d=C[x_1^{\pm1},x_2^{\pm1}, . . .,x_d^{\pm1}]$. Let H be the Cartan subalgebra of W_d. All simple W_d-modules that are U(H)-free modules of finite rank will be given.