Title: Differential equations and intertwining operators

Abstract:

The talk will be based on Yi-Zhi Huang's paper: Differential equations and intertwining operators. I will start from the definitions of vertex operator algebras, intertwining operators and $C'$ cofiniteness conditions. Then I will show that under the $C'$ cofiniteness condition, the matrix elements of products and iterates of intertwining operators satisfy a certain system of differential equations, following from the L(-1) derivative property and the Jacobi identity in the definition of intertwining operators.