SPEAKER: Jon Kujawa (University of Oklahoma)

TITLE: The Generalized Kac-Wakimoto Conjecture

ABSTRACT: In the mid 90's Kac and Wakimoto gave an intriguing conjecture for the simple modules of complex Lie superalgebras which relates the vanishing of their superdimension to the combinatorially defined atypicality of their highest weight. From the viewpoint of low dimensional topology, the Kac-Wakimoto conjecture naturally generalizes. I'll talk about this generalization, its recent proof, and some applications.