

SPEAKER: Kimball Martin (University of Oklahoma)

TITLE: Nonvanishing of spinor  $L$ -values

ABSTRACT: Böcherer conjectured a formula for central values of spinor  $L$ -functions of Siegel modular forms in terms of certain Fourier coefficients, generalizing formulas of Vigneras and Waldspurger for elliptic modular forms. Furusawa and Shalika generalized this to a conjecture expressing spinor  $L$ -values for cuspidal automorphic representations of  $\mathrm{GSp}(4)$  in terms of Bessel periods. Using a simple relative trace formula, we prove part of this conjecture for certain representations. This is joint work with Furusawa and Shalika.