1083-22-82 **Kyu-Hwan Lee*** (khlee@math.uconn.edu), Department of Mathematics, University of Connecticut, U-3005, Storrs, CT 06269-3005, and **Philip Lombardo** (plombardo@sjcny.edu).

Eisenstein Series on Affine Kac-Moody Groups over Function Fields.

In his pioneering work, H. Garland constructed Eisenstein series on affine Kac-Moody groups over the field of real numbers. He established the convergence of these series, obtained a formula for their constant terms, and proved a functional equation for the constant terms. In this talk, we define Eisenstein series on affine Kac-Moody groups over function fields using an adelic approach. In the course of proving the convergence of these Eisenstein series, we also calculate a formula for the constant terms and prove their convergence and functional equations. (Received August 20, 2012)