

SPEAKER: Sol Friedberg (Boston College)

TITLE: Ice Models and Automorphic Forms

ABSTRACT: In this talk, I will explain how ice models from statistical mechanics can be used to model p -adic Whittaker functions and also multiple Dirichlet series that are related to metaplectic Eisenstein series. A key result in statistical mechanics, the Yang-Baxter equation, plays an important role. No familiarity with statistical mechanics is assumed.