

Speaker: Ellen Eischen

Title: p -adic families of Eisenstein series for unitary groups

Abstract: One approach to constructing certain p -adic L-functions relies on construction of a p -adic family of Eisenstein series. I will explain how to construct such p -adic families (including the case of vector-weight automorphic forms) for certain unitary groups. This builds on my earlier work on scalar-weight families. As part of the talk, I will explain how to p -adically interpolate certain values of both holomorphic and non-holomorphic Eisenstein series. I will also mention some applications to number theory and beyond.