

SPEAKER: Houssein El Turkey (University of Oklahoma)

TITLE: Presenting Schur Superalgebras

ABSTRACT: Following the work of Stephen Doty and Anthony Giambruno on both the classical and the quantum Schur algebras, we obtain a presentation by generators and relations of the Schur and the  $q$ -Schur superalgebras. These presentations are compatible with the Serre-type presentations of the (classical and the quantized) universal enveloping superalgebras of  $\mathfrak{gl}(m|n)$ .