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**Houssein El Turkey**, Dept. of Mathematics, University of Oklahoma, Norman, OK , and  
**Jonathan Kujawa\***, Dept. of Mathematics, University of Oklahoma, Norman, OK. *Presenting  
Schur Superalgebras.*

The symmetric group and the Lie superalgebra  $gl(m,n)$  are in Schur-Weyl duality and the finite dimensional Schur superalgebra acts as the bridge. In the spirit of the work of Doty and Giaquinto in the classical case, we show that the Schur superalgebra has a nice presentation by generators and relations. We also discuss our analogous results in the quantum setting. In particular, our results suggest that geometric constructions in the classical case should have super analogues. (Received December 20, 2011)