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Houssein El Turkey* (houssein@ou.edu), Department of Mathematics, The University of Oklahoma, Norman, OK 73019, and **Jonathan Kujawa** (kujawa@ou.edu), Department of Mathematics, The University of Oklahoma, Norman, OK 73019. *Presenting Schur Superalgebras.*

Following the work of Doty and Giaquinto on both the classical and the quantum Schur algebras, we obtain a nice presentation by generators and relations of the Schur superalgebra. The Schur superalgebra is a result of the Schur-Weyl duality between the symmetric group and the Lie superalgebra $\mathfrak{gl}(m|n)$. The presentations we obtain are compatible with the Serre-type presentation of the universal enveloping superalgebra of $\mathfrak{gl}(m|n)$. We also discuss our analogous results in the quantum setting. (Received August 20, 2012)