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1003-17-1288      **Dimitar Grantcharov\*** ([grantcharov@math.sjsu.edu](mailto:grantcharov@math.sjsu.edu)), Department of Mathematics, 308 MacQuarrie Hall, San Jose State University, San Jose, CA 95192-0103, and **Arturo Pianzola**.  
*Automorphisms and twisted loop algebras of simple Lie superalgebras.*

In a recent joint work with A. Pianzola we described the structure of the algebraic group of automorphisms of all simple finite dimensional Lie superalgebras. Using this classification and cohomology considerations all different isomorphism classes of the corresponding twisted loop algebras were listed. In this talk we will consider particular cases of loop algebras, as well as illustrate some of the methods involved in the classification. (Received October 04, 2004)