

Meeting: 1003, Atlanta, Georgia, SS 23A, AMS Special Session on Representations of Lie Algebras, I

1003-17-1383 **Oleg Smirnov*** (smirnov@cofc.edu), Department of Mathematics, College of Charleston,
Charleston, SC 29424. *Modules over Lie triple systems and Lie algebras*. Preliminary report.

We will show that the category of modules over a Lie Triple system T is equivalent to a full subcategory of the category of graded modules over the Lie algebra $U(T)$, the universal imbedding of T . In addition we will give a homological characterization of this subcategory. Our results complement recent results by Hodge and Parshall, who realized the category of modules over T as a quotient category of the category of modules over $U(T)$. (Received October 05, 2004)