Meeting: 1003, Atlanta, Georgia, AMS CP 1, AMS Contributed Paper Session

1003-53-1208 **Marius I Munteanu*** (`munteam@oneonta.edu`), Department of Mathematics, ComputerScience, and Statistics, SUNY College at Oneonta, Oneonta, NY 13820. *Riemannian Submersions of Compact Semisimple Lie Groups with Connected Totally Geodesic Fibers.* Preliminary report.

Let G be a semisimple Lie group equipped with a bi-invariant metric. We show that if $\pi : G \to B$ is a Riemannian submersion with connected, totally geodesic fibers and if B is locally symmetric then π is equivalent to a quotient map $G \to G/H$, for some subgroup H of G. (Received October 04, 2004)