

Meeting: 1006, Lubbock, Texas, SS 8A, Special Session on Invariants of Links and 3-Manifolds

1006-57-176 **Nikolaos E. Apostolakis** (nea@math.boisestate.edu), Department of Mathematics, 1910 University Drive, Boise, ID 83725-1555, and **Uwe Kaiser*** (kaiser@math.boisestate.edu), Department of Mathematics, 1910 University Drive, Boise, ID 83725-1555. *Skein Theory and String Topology*. Preliminary report.

We describe some results and conjectures relating skein theory and string topology of oriented surfaces. In particular we discuss possible generalizations of classical results of Przytycki and Turaev about the quantization of the Goldman-Turaev bialgebra of a surface. (Received February 14, 2005)