1154-35-1994 **Annalisa Calini*** (calinia@cofc.edu) and **Thomas Ivey** (iveyt@cofc.edu). *Integrable Geometric Flows for Curves in Pseudoconformal S^3.*

We consider evolution equations for curves in the 3-dimensional sphere S^3 that are invariant under the group $SU(2,1)$ of pseudoconformal transformations, which preserves the standard contact structure on the sphere. In particular, we investigate how invariant evolutions of Legendrian and transverse curves induce well-known integrable systems and hierarchies at the level of their geometric invariants. (Received September 17, 2019)