

1113-35-23

**Steven Derochers\*** (sjderoch@ncsu.edu), 1211 Ridge Trace Dr. Apt 207, Raleigh, NC 27606.  
*On the Semigroup Generator for the Total Linearization of a Hydro-Elasticity Model.* Preliminary report.

In this talk, we will investigate a fluid structure system involving coupled flow. Due to the coupling, a nonstandard means to eliminate the pressure term is required. This method makes use of specific extensions into the solid domain. It also prompts the convenient use of a finite element method to obtain a numerical approximation of a solution. (Received June 02, 2015)