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**George Avalos\*** (gavalos@math.unl.edu), Department of Mathematics, University of Nebraska-Lincoln, Lincoln, Nebraska 68588, Lincoln, NE 68588. *Concerning the Nonlinear Analysis of a Fluid-Structure Interactive PDE Model.*

In this talk we shall focus on current work involving the wellposedness for a coupled partial differential equation model which governs a certain fluid-structure interaction. The basis of our approach is an argumentation thematically similar to that of Z. Yosida and Y. Giga, which was originally invoked for the (uncoupled) Navier-Stokes equations. This is joint work with Pelin Güven Geredeli of Hacettepe University (Turkey). (Received January 16, 2015)