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Mihaela Ignatova*, Department of Mathematics, building 380, Stanford, CA 94305, and **Igor Kukavica, Irena Lasiecka** and **Amjad Tuffaha**. *On well-posedness and small data global existence for a damped free boundary fluid-structure model.*

We address a fluid-structure interaction model describing the motion of an elastic body in an incompressible fluid. We prove the local existence of solutions for a class of initial data which also guarantees uniqueness. Our second main result provides the global existence and exponential decay of solutions for a model with frictional damping.

This is a joint work with Igor Kukavica, Irena Lasiecka, and Amjad Tuffaha (Received September 25, 2012)