1097-35-140 **Ciprian G. Gal** and **Joseph L. Shomberg*** (jshomber@providence.edu). *Dynamic Boundary Conditions with Memory: Attractors of the Coleman-Gurtin Equation.* Preliminary report.

We report some recent advances concerning the asymptotic behavior and stability of the Coleman-Gurtin equation possessing a singularly perturbed memory kernel and equipped with dynamic boundary conditions with memory. We obtain a family of global attractors, with optimal regularity, which is upper-semicontinuous as the perturbation parameter vanishes. In addition, we obtain a robust (Hölder continuous) family of exponential attractors; hence, proving the global attractors are finite dimensional, uniform with respect to the perturbation parameter. We assume nonlinear terms are defined on the interior of the domain and on the boundary, subject to a balance condition in the sense of A. Rodríguez-Bernal and A. Tajdine, JDE **169** (2001). (Received January 17, 2014)