**Meeting:** 1001, Evanston, Illinois, SS 13A, Special Session on Algebraic Topology: Interactions with Representation Theory and Algebraic Geometry

1001-55-270 **Johann Sigurdsson*** (jsigurds@nd.edu), Department of Mathematics, 255 Hurley Hall, Notre Dame, IN 46556-4618, and **J. Peter May**. *Parametrized equivariant stable homotopy theory.*

I will describe foundational work on the structure of the parametrized equivariant stable homotopy categories. As an application I will outline how it gives a duality result for equivariant bundles with compact manifold fibers that generalizes the Wirthmüller isomorphism in equivariant stable homotopy theory. (Received August 29, 2004)