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Daniel Dugger* (ddugger@uoregon.edu), University of Oregon, Eugene, OR 97405, and **Daniel C. Isaksen**, Wayne State University, Detroit, MI 12345. *Relations amongst motivic Hopf elements.*

This talk will survey our present knowledge about motivic stable homotopy groups of spheres over an arbitrary field. These are a bigraded family of groups which in various ways generalize the classical stable homotopy groups of spheres. The talk will focus particularly on motivic analogs of the classical Hopf elements, and on what we know about relations between these. (Received September 15, 2009)