1038-55-66   **Anthony D Elmendorf*** (`aelmendo@calumet.purdue.edu`), Department of Mathematics, Purdue University Calumet, Hammond, IN 46323. *Representing objects in algebraic K-theory.*

This talk will discuss some aspects of joint work with Mike Mandell on multiplicative structure in algebraic K-theory. In particular, the K-theory functor developed in our paper "Rings, modules, and algebras in infinite loop space theory" extends to a lax monoidal functor from the symmetric monoidal category of small based multicategories to the category of symmetric spectra, with the construction being a two-step process. Each step involves the use of a representing object, in some sense. The talk will describe the context in which these representing objects arise, and how they are constructed. (Received January 25, 2008)