1107-13-348 **Katharine Shultis*** (s-kshulti1@math.unl.edu). *Systems of Parameters and the Cohen-Macaulay Property.* Preliminary report.

Let R be a commutative, Noetherian, local ring and M a finitely generated R-module. Consider the module of homomorphisms $\mathrm{Hom}_R(R/\mathfrak{a}, M/\mathfrak{b}M)$ where $\mathfrak{b} \subseteq \mathfrak{a}$ are parameter ideals of M. When $M = R$ and R is Cohen-Macaulay, Rees showed that this module of homomorphisms is always isomorphic to $R/\mathfrak{a}$. Recently, K. Bahmanpour and R. Naghipour showed that if $\mathrm{Hom}_R(R/\mathfrak{a}, R/\mathfrak{b})$ is isomorphic to $R/\mathfrak{a}$ for *every* pair of parameter ideals $\mathfrak{b} \subseteq \mathfrak{a}$ then R is Cohen-Macaulay. I will discuss the structure of $\mathrm{Hom}_R(R/\mathfrak{a}, M/\mathfrak{b}M)$ for general M. (Received January 19, 2015)