Duane Chin-Quee* (dchinque@irsc.edu), 3209 Virginia Ave., Ft Pierce, FL 34981. Functional Differential Equations with Linear Anticipation and Retardation Operators.

We consider functional differential equations (FDEs) involving linear anticipation and retardation operators. The operators satisfy the mapping $C(\mathbb{R}, E) \rightarrow B(\mathbb{R}, E)$ where $E$ is a Banach Space and $B$ is the linear space of all measurable functions $f : \mathbb{R} \rightarrow E$ that are Bochner-Integrable on each compact interval. Existence and uniqueness results with prescribed boundary conditions will be presented along with applications. (Received September 17, 2014)