1048-49-184	**Dong Wang*** (`dwang@uncfsu.edu`), 1200 Murchison Road, Fayetteville, NC 28301. *Optimization of Delay-Differential Inclusions in Infinite Dimensions.*

This talk concerns the study of dynamic optimization problems governed by delay-differential inclusions with finitely many equality and inequality endpoints constraints and multivalued initial conditions. We employ the method of discrete approximations and advanced tools of generalized differentiation in infinite-dimensional spaces to derive necessary optimality conditions in the extended Euler-Lagrange form. (Received February 06, 2009)