

**Meeting:** 1005, Newark, Delaware, SS 13A, Special Session on Integral and Operator Equations

1005-45-209      **Thomas S. Angell\*** ([angell@math.udel.edu](mailto:angell@math.udel.edu)), University of Delaware, Department of Mathematical Sciences, Newark, DE 19716. *Integral Equations with Multi-valued Kernels*. Preliminary report.

We study (possibly nonlinear) integral equations with multi-valued integrands. In the linear case, the kernels are multi-valued. Such equations arise in a natural way in certain problems of control. We discuss both the existence of solutions and the controllability problem. (Received February 14, 2005)