1108-35-123   **Chenchen Mou** and **Andrzej Swiech*** (`swiech@math.gatech.edu`), School of Mathematics, Georgia Institute of Technology, Atlanta, GA 30030. *Uniqueness of viscosity solutions for a class of integro-differential equations.*

We will present comparison theorems and uniqueness results for viscosity solutions for a class of nonlocal equations. This class of equations includes Bellman-Isaacs equations containing operators of Lévy type with measures depending on x and control parameters, as well as elliptic nonlocal equations that are not strictly monotone in the u variable. The proofs of the theorems use apriori knowledge about regularity of viscosity solutions of such equations. (Received January 06, 2015)