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**H. T. Liu\*** ([tliu@ttu.edu.tw](mailto:tliu@ttu.edu.tw)), 118 College Dr. Box 5045, Hattiesburg, MS 39406. *Existence and blow-up for semilinear integro-differential equations with nonlocal boundary conditions.*

This paper studies the semilinear integro-differential problems under nonlocal boundary conditions. The local existence and uniqueness of the solution are investigated, finite time blow-up criteria for the problem is given, and existence of global solution is established. (Received September 10, 2007)