

Meeting: 1006, Lubbock, Texas, SS 11A, Special Session on Future Directions in Mathematical Systems and Control Theory

1006-65-44 **Janos Turi*** (turi@utdallas.edu), 2601 N. Floyd Rd, Richardson, TX 75083. *Stability Preserving Approximation Schemes for Control Systems Governed by NFDEs.*

We consider classes of linear NFDEs for which the solution semigroup is exponentially stable and construct approximation schemes preserving exponential stability uniformly in the discretization parameter for these equations. (Received January 25, 2005)