T E Govindan* (tegovindan@yahoo.com), Departamento de Matematicas, ESFM, Instituto Politecnico Nacional, Edificio 9, Zacatenco, 07320 Mexico, D.F., Mexico, Mexico. Some results on existence and uniqueness of mild solutions of neutral SPDEs.

This paper studies neutral stochastic partial differential equations (SPDEs). Our goal in this talk is to present some of the recent developments on the existence and uniqueness of a mild solution of SPDEs by exploiting some properties of stochastic convolution integrals and using the semigroup theory. (Received September 21, 2010)