962-34-1329 **Zephyrinus C Okonkwo*** (`zokonkwo@asurams.edu`), Albany, GA 31705, and **James C Turner Jr.**, Tallahasse, FL 32306. *Existence of Neutral Stochastic Functional Differential Equations with Abstract Volterra Operators.* Preliminary report.

This paper deals with the existence of the solution process of neutral stochastic functional differential equation of the form

$$d\left[(Vx)(t,\omega)\right] = (Vx)(t,\omega)dt + \sigma(t,x(t,\omega))dz(t,\omega) \tag{1}$$

with the initial condition

$$x(0,\omega) = x^0 \in \mathrm{R}^n \tag{2}$$

where V and U are abstract Volterra operators acting on certain function spaces and $z(t,\omega)$ is a normalized R^q valued Wiener process. Several existence results are proven. (Received October 03, 2000)