

# **SEMINAR ANNOUNCEMENT**

## **Application of the Weibull Distribution Toward the Analysis of Neuropsychological Test Data**

**Dr. Amir Poreh**

Department of Psychology  
Cleveland State University

**Abstract:** In recent years researchers have suggested that brain functions, including brain atrophy, follows the same distribution characteristics as of man made machines (Weibull Distribution) and perhaps is predetermined. In this presentation I will propose to extend the previous work and describe the rate of failure of various cognitive functions using the Weibull Distribution. It is suggested that using such functions, one can describe the failure rate of certain cognitive abilities such as language and memory and describe their underlying structure using Fodor's theory of the Modularity of the Mind ((i.e, modular, vertical or parallel systems).

**Wednesday, October 20<sup>th</sup>, 2010**

**12:00 – 1:00 pm**

**Room SI 117**

*Pizza and refreshments will be served before the seminar.*