

1035-Z1-1993 **Ken S. Li*** (kli@selu.edu), SLU 10687, Southeastern Louisiana University, Hammond, LA
70817. *Generating random numbers using chaotic equations.*

In this talk we will give a short survey of computational methods for generating random numbers. Then we will introduce a new approach to generate random numbers. The approach that we use is to use some special simple functions to generate a sequence of iterates and then we will determine whether these iterates have certain distribution. Statistical test is performed to see if the method is effective. (Received September 21, 2007)