1106-37-954   **Michael Sylvester Keane*** (`mkeane@wesleyan.edu`), 307 Lakeridge Dr, San Antonio, TX
78229-3604. *Topological Conjugacy of Constant Length Substitution Dynamical Systems.*

Primitive constant length substitutions generate minimal symbolic dynamical systems. I intend to present in this lecture a survey of classification results of constant length substitution dynamical systems generated by primitive nonperiodic substitutions. Much of the material presented will be based on joint work with a number of co-authors: Ethan M. Coven, F.M. Dekking, Andrew Dykstra, Michelle Lemasurier. As an example of a perhaps interesting new result, we have proven that (if counted correctly) there are twelve primitive injective length two substitutions, among which are two on six symbols, which are conjugate to the Thue-Morse minimal system, and no more of this type. (Received September 09, 2014)