1106-30-1345 **George Csordas** and **Tamas Forgacs*** (tforgacs@csufresno.edu), 5245 N. Backer Ave, M/S PB108, Department of Mathematics, California State University, Fresno, Fresno, CA 93740-8001.

Classical multiplier sequences: a special class, continuous transformations, and connections to special functions. Preliminary report.

This talk considers a special class of classical multiplier sequences, which are interpolated by either logarithmic functions, or 'power' functions of the form $f(z) = \dfrac{(z+a)^s}{\Gamma(z+1)}$, $(a, s \in \mathbb{R})$. After presenting some results and problems which remain open, we discuss the notion of continuous transformation of a classical multiplier sequence (in one or more parameters), and highlight some unexpected, but beautiful connections between classical multiplier sequences, Laguerre polynomials, and hypergeometric functions. (Received September 17, 2014)