

Jasang Yoon, University of Texas-Pan American.

Title: When is hyponormality for 2-variable weighted shifts invariant under powers?

Abstract: (Joint work with R. Curto) Joseph G. Stampfli showed that there exists a subnormal weighted shifts W_α for which any power W_α^n (all $n \geq 2$) need not be subnormal. If, in the commuting multivariable case, we further assume that each component is subnormal, then the analogous result appears to be very difficult. In this talk, we will mention part of these problems using examples (a class of 2-variable weighted shifts) and give a relative theory.