1093-32-273 **Yifei Pan*** (pan@ipfw.edu), 2101 E. Coliseum Blvd., Fort Wayne, IN 46805-1499. *On unique continuation of Cauchy-Riemann operator with L^2 potentials.*

In this talk, we prove a unique continuation theorem on Cauchy-Riemann operator with L^2 potential. Specifically, if $u(z)$, defined near the origin in the complex plane to C^n, and vanishing to infinite order there, satisfies $\bar{\partial}u/u \in L^2$, then u is identically zero. This result is sharp due to a counterexample of Mandache and If L^2 is replaced by L^q where $q > 2$, the result is due to S. Ivashkovich and V. Shevchishin. (Received August 18, 2013)