

Meeting: 1003, Atlanta, Georgia, SS 30A, AMS Special Session on Analysis Problems in Modern Physics, I

1003-41-1376 **Kenneth D. T-R McLaughlin*** (mcl@math.arizona.edu), Department of Math, University of AZ, 617 N. Santa Rita Ave, Tucson, AZ 85721. *Asymptotic analysis of orthogonal polynomials by Riemann-Hilbert and d -bar techniques, and applications.*

We will discuss some recent developments in the asymptotic analysis of orthogonal polynomials by Riemann-Hilbert and d -bar methods, and perhaps some applications to random matrix theory. (Received October 05, 2004)