1067-47-539 **Ronald G. Douglas**, **Gadadhar Misra** and **Jaydeb Sarkar***, The University of Texas at San Antonio, Department of Mathematics, College of Sciences, San Antonio, TX 78249. *Hilbert modules and dilation theory.*

In this talk, we will discuss the question of which Hilbert modules over some natural algebras including the ball algebra, the disk algebra and the polynomial algebra in several variables have an isometric co-extension to a given "model" Hilbert module. Moreover, we will discuss a curvature inequality for quotient Hilbert modules, generalizing an earlier result for contractive Hilbert modules over the disk algebra. (Received September 08, 2010)