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**Robert K Hladky\*** ([robert.hladky@ndsu.edu](mailto:robert.hladky@ndsu.edu)), Department of Mathematics, NDSU Dept # 2750, PO BOX 6050, Fargo, ND 58108. *Generalizing the Tanaka-Webster connection to subRiemannian manifolds.*

The Tanaka-Webster connection has proved to be a powerful tool in studying strictly pseudoconvex pseudohermitian manifolds. In this talk, we shall consider a non-standard definition of this connection that generalizes nicely to subRiemannian geometry. We'll look at how this connection can be used to extend Riemannian results to the subRiemannian setting and consider some consequences of the natural generalizations of the pseudohermitian notion of normality. (Received February 22, 2010)