David E Barrett* (barrett@umich.edu), Dept of Math 2074 East Hall, Ann Arbor, MI 48109-1043, and Dusty Grundmeier. Projective dual CR structures.

A strongly convex (or “strongly $\mathbb{C}$-convex”) real hypersurface in $\mathbb{C}^n$ (or in complex projective space) inherits both the standard CR structure and a secondary “projective dual” structure.

The talk will examine various relations between the corresponding spaces of CR functions. Some of the results utilize dimension and/or symmetry conditions; in the particular case of circular domains in $\mathbb{C}^2$, consequences for certain pairs of one-dimensional complex structures will be set forth. (Received February 27, 2017)