1116-32-1161 **Phillip S Harrington*** (psharrin@uark.edu), SCEN 309, 1 University of Arkansas, Fayetteville, AR 72701. *Bounded Plurisubharmonic Exhaustion Functions in* $\mathbb{CP}^n$. Preliminary report.

It is frequently helpful in the study of pseudoconvex domains to have a defining function r with the property that $-(-r)^s$ is plurisubharmonic for some $s > 0$. In Stein manifolds, Diederich and Fornaess showed that this is always possible on bounded pseudoconvex domains with C^2 boundaries. Ohsawa and Sibony proved the corresponding result in $\mathbb{CP}^n$, using a result of Takeuchi to substitute for the lack of a global strictly plurisubharmonic function. In this talk, we will examine the possibility of extending the Ohsawa-Sibony result to domains with Lipschitz boundaries. (Received September 17, 2015)