

1116-VJ-1042 **Erin Kathryn Carmody*** (ecarmod2@nebrwesleyan.edu). *Force to Change Large Cardinal Strength.*

This talk introduces the theme of killing-them-softly between set-theoretic universes. The main theorems show how to force to reduce the large cardinal strength of a cardinal to a specified desired degree, for a variety of large cardinals including inaccessible, Mahlo, measurable and supercompact. The killing-them-softly theme is about both forcing and the gradations in large cardinal strength. Thus, I also develop meta-ordinal extensions of the hyper-inaccessible and hyper-Mahlo degrees. This work extends the work of Paul Mahlo to create new large cardinals and also follows the larger theme of exploring interactions between large cardinals and forcing central to modern set theory. (Received September 17, 2015)