1139-14-548   **Antoni K Rangachev*** (`rangachev@math.uchicago.edu`), Department of Mathematics, University of Chicago, 5734 S University Ave, Chicago, IL 60637. *Deficient conormal singularities and local volumes.*

In this talk I will introduce a class of singularities that generalizes the class of smoothable singularities: these are all singularities that admit deformations to singularities with deficient conormal spaces. I will discuss how this new class arises from problems in differential equisingularity and how it relates to the local volume of a line bundle. If time permits, I will discuss which known classes of singularities have deficient conormal spaces. (Received February 19, 2018)

1