1145-VT-2497 **Robert L Bassett*** (robert.bassett@nps.edu). *Data Smoothing via Minimum Fisher Information.* Preliminary report.

Smoothing empirical models is a common aspect of analyzing data. Especially in the high-dimensional setting, smoothing provides a common-sense check when working with extremely flexible models. In this talk we introduce a method for smoothing multivariate density estimates using Fisher information. We provide evidence for its utility through applications to nonparametric density estimation. (Received September 25, 2018)